

Contract Name: Pinney Slope Stewardship

K-C.3.0.1# - CUTTING UNIT BOUNDARIES (11/2006)

The boundaries of cutting units are designated as shown in the following table. The trees used for boundary designation are not to be cut.

See Cutting Unit Boundary Designation Table

K-C.3.0.1# - CUTTING UNIT BOUNDARIES. (11/06)Cutting Unit Boundary Designation Table

Cutting Unit	Paint Color	Designation
ALL	Orange	A horizontal band of orange paint on three sides of intervisible cutting unit boundary trees with vertical streaks of orange paint indicating the general direction of the boundary. Within the three-sided box formed by the paint streaks, an orange painted cutting unit number faces the area to be cut.

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K-C.3.5.6# - INDIVIDUAL TREES (LEAVE TREE MARKING) (11/2006)

Notwithstanding C.3.5, all live, dead and windthrown trees meeting utilization standards in A.2, in units shown as LTM on the Contract Area Map, are designated for cutting. Trees to be left uncut are marked above and below stump height as shown in the table below.

See Leave Tree Marking Table

K-C.3.5.6# - INDIVIDUAL TREES (LEAVE TREE MARKING). (04/02/13)

Leave Tree Marking Table

Cutting Unit	Paint Color
ALL	Orange

K-D.3.5# – SCHEDULED RATE REDETERMINATION. (9/04) Contracting Officer shall redetermine rates for Included Timber to be made effective on 1/ 10/31/2019. Redetermined rates for Included Timber shall be used under D.1 for determination of Current Contract Rates. Rate redeterminations shall cover Included Timber in the entire contract. Base Indices and Required Deposits shall be redetermined. At the time of each rate redetermination, Forest Service shall also determine cost changes for stewardship projects not yet completed. Stewardship project costs shall be adjusted by cost changes to establish a revised A.4.3.

If rates established by a scheduled rate redetermination result in lower than Current Contract Rates determined from Bid Rates and Base Indices stated in A.4, such lower rates shall become effective only after at least 2/ 42,840 Tons has been cut and Scaled. However, if the scheduled rate redetermination date is later than the beginning date of contract adjustment under I.2.1 or I.2.1.2, the rate redetermination shall be made as originally scheduled. If redetermined rates, plus Bid Premium Rates, are higher than rates in effect immediately prior to the rate redetermination date, the date on which the redetermined rates shall become effective shall be adjusted by the number of days of contract adjustment prior to the rate redetermination date. Rates and Required Deposits established under D.3.1, D.3.2, or D.3.3 shall be superseded by any subsequent scheduled rate redetermination.

In scheduled rate redeterminations, Contracting Officer may make modifications in minimum specifications for trees or products in A.2, road maintenance requirements or deposits in F.3.1 or F.3.2, logging methods in G.4, slash disposal in G.7, and fire precautionary measures in H.2 if, and to the extent that, such changes are reasonably necessary to protect the interest of the United States. Such modifications shall be limited to requirements generally being made in Forest Service contracts in the Region at the time of rate redetermination and with which Contractor can reasonably comply. Such changes shall be reflected in the rate redetermination, but changes affecting rates shall not be implemented until the redetermined rates become effective.

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K-E.2.1.5 - DEPOSITS WHEN PAYMENT GUARANTEED (05/2010)

To the extent payment guarantee is provided under E.3, requirements for advance cash deposits under E.2.1.2 shall be waived for the value of Included Timber removed except for:

- (a) Base Rates,
- (b) associated charges, and
- (c) the value of Included Timber exceeding the sum of stewardship credits that have not been established under E.2.2 for mandatory stewardship projects listed in A.4.3 plus optional stewardship projects listed in A.4.3 authorized by Contracting Officer.

Charges for (a), (b) and (c) shall be waived for not more than a monthly billing period, subject to the provisions of E.4.

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K-E.4 - PAYMENTS NOT RECEIVED (08/2012)

(a) Payments are due and payable on the date of issue indicated on the bill for collection. When a payment for timber cut and other charges is not received at the location designated by Forest Service by the date specified in the bill for collection, Contracting Officer will suspend all or any part of Contractor's Operations until payment or acceptable payment guarantee is received. Other charges include, but are not limited to:

- (i) Slash disposal, road maintenance, and contract scaling deposits;
- (ii) Cooperative work at rates established by specific agreement under E.2.1.8;
- (iii) Damages pursuant to J.4;
- (iv) Road use fees;
- (v) Restoration of downpayment pursuant to E.2.2;
- (vi) Periodic payments pursuant to E.2.1.3;
- (vii) Extension Deposits pursuant to E.2.1.7; and
- (viii) Other mandatory deposits.

(b) Failure to pay amounts due by the date specified in the bill for collection shall be considered a breach under J.3. The 30-day notice period prescribed therein shall begin to run as of the end of business on the date specified for receipt of payments. If the performance or payment is guaranteed by surety bond, the surety will receive a copy of the written notification of breach. Demand will be made on the surety or other institution providing the guarantee or bond instrument for immediate payment 10 days after issuance of written notification of the breach.

(c) Pursuant to the Debt Collection Improvement Act of 1996, as amended, if payment is not received by Forest Service within 15 days after the date of issue indicated on the bill for collection:

(i) Simple interest shall be assessed at the Current Value of Funds Rate as established by the Secretary of the Treasury. Interest will begin to accrue as of the date of issue indicated on the initial bill for collection.

(ii) Debtors will be assessed administrative charges, in addition to the delinquent amount due. Administrative charges are those additional costs incurred by the Government in processing, handling, and collecting delinquent debts.

(iii) A penalty charge of six (6) percent per annum will be assessed on any portion of a debt delinquent more than 90 days. This penalty charge is in addition to interest and administrative charges under paragraphs (c)(i) and (c)(ii). The penalty charge shall accrue from the date of issue indicated on the bill for collection and shall be assessed on all outstanding amounts, including interest and administrative costs assessed under paragraphs (c)(i) and (c)(ii).

(iv) Payments will be credited on the date received by the Federal Depository or Collection Officer designated on the bill for collection.

(d) Forest Service remedies for Contractor's failure to make payment for timber cut and other charges when due, except for accrual of interest, suspension of all or any part of Contractor's Operations, and administrative offset, shall be stayed for so long as:

- (i) A bona fide dispute exists as to Contractor's obligation to make such payment and
- (ii) Contractor files and prosecutes a timely Claim.

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K-F.1.2# - USE OF ROADS BY CONTRACTOR (09/2004)

Contractor's use of existing roads identified on Contract Area Map by the following codes is prohibited or subject to restrictive limitations, unless agreed otherwise:

Code	Use Limitations
X	Hauling prohibited
R	Hauling restricted
U	Unsuitable for hauling prior to completion of agreed reconstruction
P	Use prohibited
A	Public use restriction
W	Regulation waiver

Roads coded A will be signed by Forest Service to inform the public of use restrictions. Contractor's use of roads coded R, A, or W shall be in accordance with the following restrictions:

See Restricted Road List Table.

K-F.1.2# – USE OF ROADS BY CONTRACTOR. (9/04)**Restricted Road List**

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
693	Scriver Creek	MP 0.0	MP 7.01	R	Log hauling is restricted on weekends (all day Saturday and Sunday); all major holidays (New Years, Memorial Day, Independence Day, Labor day, Thanksgiving and the day after, Christmas Eve and Christmas Day); and the opening day of deer, elk, and turkey general hunting seasons.
693A	Eastside Spur	MP 0.0	MP 1.43	R	
693B	East Fork Scriver Creek	MP 0.0	MP 4.05	R	Log haul is restricted between December 15 th through March 15 th due to groomed snowmobile trails
693D	Bear Wallow Point	MP 0.0	MP 1.96	R	

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K-F.1.1.3# - ROAD COMPLETION DATE (09/2004)

Construction of Specified Roads shall be completed no later than 10/31/2016; except for earlier construction completion dates for roads listed below:

Road Number	Road Name	Station From To	Completion Date
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N/A

Completion date is binding on the party that constructs road, whether Contractor or Forest Service. Contracting Officer may modify the completion date in writing to conform to the Technical Proposal under G.3.1.1 at the request of Contractor.

When Contractor elects Forest Service construction of Specified Roads shown in contract advertisement, Forest Service may adjust construction completion date when road construction is delayed or interrupted for causes that qualify for an adjustment of the completion date of Forest Service's road construction contract. When qualifying delays or interruptions of road construction occur, Forest Service shall evaluate such occurrences and document any findings. The current status of any adjustment shall be available to Contractor on request. Promptly after the end of Normal Operating Season in which qualifying days occur, Forest Service shall give Contractor written notice of (a) number of qualifying days claimed, and (b) new construction completion dates. After all road construction is complete, Forest Service shall grant Contract Term Adjustment. Such adjustment shall be limited to road completion date delays that occurred during Normal Operating Season.

If Forest Service is responsible for road construction and the actual date of road completion is 1 year or more after the completion date stated above, Contractor may request a rate redetermination under D.3 for remaining volume. Such request must be made within 30 days of notification that road construction has been completed. Upon receipt of such request, Forest Service shall redetermine rates using standard methods in effect on the completion date of road construction. Rates to be established shall apply to all timber removed from Contract Area after the effective date of the rate redetermination.

Forest Service shall in no way be responsible for any delay or damage caused by road contractor in performing the road construction, except such delay as may be the fault or negligence of Forest Service.

When Contractor constructs Specified Roads and requests Contract Term Adjustment, completion dates shall be adjusted by number of days that qualify for such adjustment, provided such qualifying days occur before specified construction completion date. When Contractor desires to construct an alternate facility under F.2.6, Forest Service and Contractor shall agree, in writing, on a construction completion date for alternate facility. Contract Term Adjustment as noted above will apply. Completion date shall be adjusted where a Design Change or physical changes necessitate a modification of Specified Road construction work that increases the scope or magnitude of the required work.

If Contractor fails to complete construction of any or all Specified Roads by applicable completion date, as adjusted, Contract Term Extension shall not be granted.

As used in this provision, construction of a road is completed when:

(a) Contractor constructs Specified Roads and Forest Service furnishes Contractor with written notice of acceptance under G.3.6 or

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(b) Forest Service constructs road and furnishes Contractor with written notice authorizing use of road.

Notwithstanding F.1, Contractor shall not use a road that Contractor has elected for Forest Service to construct, until construction is completed and Forest Service furnishes Contractor with written notice authorizing use of road.

K-F.2.1.3# - DEPOSIT FOR RECONSTRUCTION ENGINEERING SERVICES (09/2004)

Contractor shall make a cash deposit for engineering services (preconstruction and construction) provided by Forest Service for reconstruction of National Forest system roads necessary to accommodate Contractor's use under this contract, pursuant to 16 USC 537.

The total amount to be deposited by Contractor for reconstruction related engineering services to be completed by Forest Service personnel or by public works contract is \$\$16,950.00. Contractor shall make this deposit at the end of the first full Normal Operating Season or 12 months from contract award, whichever occurs first. In the event a different deposit schedule is agreed to, such deposit shall be due within 15 days after the date of issue indicated on the initial bill for collection, pursuant to E.4.

The amount of the required deposit will be shown as an associated charge on Contractor's Integrated Resource Account. Forest Service shall retain any unexpended deposit for reconstruction related engineering services.

The deposit for reconstruction related engineering services shall be commensurate with project need and Contractor's road use. Forest Service shall complete reconstruction related engineering services on the following schedule unless a different completion schedule is agreed in writing:

Road or Facility No.	Termini		Engineering Services Completion Date
	From	To	
Road-693A	0	1.56	08/31/2016
Road-693B	0	3.85	08/31/2016
Road-693D	0	1.93	08/31/2016

Reconstruction related engineering services may consist of some or all of the engineering work and expense of: preparing, setting out, controlling, inspecting, and measuring the reconstruction of a National Forest system road.

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K-F.2.2.1# - MATERIAL SOURCES (09/2004)

Sources of local materials are designated on Plans and Contract Area Map. Forest Service assumes responsibility for the quality and quantity of material in designated sources. Contractor shall determine the equipment and work required to produce the specified product, including the selection of acceptable material that is reasonably available in the source that meets specifications. The designation of source includes the rights of Contractor to use certain area(s) for plant site, stockpiles, and haul roads.

Should the designated source, due to causes beyond the control of Contractor, contain insufficient acceptable material, Forest Service will provide another source with adjustment in accordance with F.2.5.3.

When Contractor elects not to use designated sources, Contractor shall furnish the specified product with no adjustment in unit rates. Quality testing shall be the responsibility of Contractor. Test results shall be furnished to Forest Service.

When Contractor elects not to use designated sources and the Schedule of Items lists pit development separately, cost allowance will be reduced under F.2.5.3 when Forest Service determines the work will not be required.

When materials are subject to a weight measurement, the specific gravity or weight/volume relationship used as a basis for determination of estimated quantities shall be:

Source I N/A, Source II N/A, and Source III N/A.

Contractor may, when agreed in writing, use on the project such suitable stone, gravel, and sand, or other material found in the excavation, and will earn a cost allowance for the excavation of such materials at the corresponding contract unit price and for the pay items for which the excavated material is used. Contractor shall replace, without additional cost allowance, sufficient suitable materials to complete the portion of the work that was originally contemplated to be constructed with such material. Contractor shall not excavate or remove any material, except that which is within the excavation limits, without written authorization from Forest Service.

When material is appraised from non-National Forest designated sources, owner charges for the material in terms of unit cost for royalties, purchase of raw materials, or finished products shall be as follows until N/A:

See Material Source Table.

Should quantity vary from that estimated, payment to owners shall be for units actually obtained. Contractor shall make arrangements with owner(s) for measurement and payment for royalties, purchase of raw materials, or finished products, as shown above.

Materials produced or processed from National Forest lands in excess of the quantities required for performance of this contract are the property of Forest Service, unless prior written agreement has been obtained to use excess material on other National Forest contracts. Forest Service is not obligated to reimburse Contractor for the cost of their production.

Materials shall be stored to assure the preservation of their quality and fitness for the work. Stored materials shall be located to facilitate their prompt inspection. Sites on Forest Service administered land, approved by Forest Service, may be used for storage purposes and for the placing of Contractor's

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plant equipment. All storage sites provided by Forest Service shall be restored at Contractor's expense. Contractor shall be responsible for making arrangements for storage on other than Forest Service administered lands.

When the construction of the portion of the project for which Temporary Roads used for hauling materials is completed, all such Temporary Roads shall be restored as nearly as practicable to their original ground profile, unless otherwise agreed in writing.

K-F.2.2.1# – MATERIAL SOURCES. (9/04)

Material	Type of Purchase	Owner(s)	Unit of Measure	Unit Price	Estimated Quantity	Total
N/A						

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K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

Contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

See Contract Road Maintenance Requirements Summary Table.

K-F.3.1# – ROAD MAINTENANCE REQUIREMENTS. (9/04)**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808		
693	MP1.05	MP 7.01	5.96	P	P	P	P	P	P	P	P		
693A	MP 0.0	MP1.43	1.43	P	P	P	P	P	P	P			
693B	MP 0.0	MP 4.05	4.05	P	P	P	P	P	P	P			
693D	MP 0.0	MP 1.96	1.96	P	P	P	P	P	P	P	P		
693D1	MP 0.0	MP 0.14	0.14	P	P	P	P	P	P	P			
693D2	MP 0.0	MP 0.40	0.40	P	P	P	P	P	P	P			
654	MP 0.0	MP 1.8	1.80	P	P	P	P	P	P	P	P		
654E	MP 0.0	MP 0.3	0.30	P	P	P	P	P	P	P			

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Contract Road Maintenance Requirements Summary Cont.

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808		
693	MP1.05	MP 7.01	5.96	P	P	P	P	P	P	P	P		
693A	MP 0.0	MP 1.43	1.43	P	P	P	P	P	P	P			
693B	MP 0.0	MP 4.05	4.05	P	P	P	P	P	P	P			
693D	MP 0.0	MP 1.96	1.96	P	P	P	P	P	P	P	P		
693D1	MP 0.0	MP 0.14	0.14	P	P	P	P	P	P	P			
693D2	MP 0.0	MP 0.40	0.40	P	P	P	P	P	P	P			
654	MP 0.0	MP 1.8	1.80	P	P	P	P	P	P	P	P		
654E	MP 0.0	MP 0.3	0.30	P	P	P	P	P	P	P			

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Contract Road Maintenance Requirements Summary Cont.

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808	T-809	T-810
693	MP1.05	MP 7.01	5.96	P	P	P	P	P	P	P	P		
693A	MP 0.0	MP 1.43	1.43	P	P	P	P	P	P	P		P	P
693B	MP 0.0	MP 4.05	4.05	P	P	P	P	P	P	P			
693D	MP 0.0	MP 1.96	1.96	P	P	P	P	P	P	P	P	P	
693D1	MP 0.0	MP 0.14	0.14	P	P	P	P	P	P	P		P	
693D2	MP 0.0	MP 0.40	0.40	P	P	P	P	P	P	P		P	
654	MP 0.0	MP 1.8	1.80	P	P	P	P	P	P	P	P		
654E	MP 0.0	MP 0.3	0.30	P	P	P	P	P	P	P			

P = Contractor Performance Item D = Deposit to Forest Service D3 = Deposit to Third Party

ROAD MAINTENANCE PLAN**Pinney Slope Stewardship****T-801 Slide and Slump Removal**

The maximum volume of Contractor responsibility for Slide and Slump repair shall be 50 cubic yards per 100 lineal feet of roadway.

No slumps or slides are known to exist. If any occur, a suitable disposal location will be identified for unsuitable material.

T-803 Surface Blading

Roads listed in During Haul Maintenance Table with surface blading shall be bladed at intervals of approximately once every 75 loads for aggregate surface roads and once every 50 loads for native surface roads or as needed.

Designated water sources are shown on the Contract Area Map.

T-806 Dust Abatement

See T-803 for water sources.

<u>Road</u>	<u>Type of Material</u>	<u>Application Rate</u>	<u>Frequency</u>
693	Calcium Chloride	0.38 Gallons/SY	* At least once per season *
693A	Water	N/A	As needed
693B	Water	N/A	As needed
693D	Water	N/A	As needed
693D1	Water	N/A	As needed
693D2	Water	N/A	As needed

* Calcium Chloride - applied only once per season on road segments used for haul.

T-807 Roadway Vegetation

Vegetation removed from roads listed in Pre-Haul and Post Haul Tables shall be treated as described in K-G.7# - Slash Treatment

T-809 Waterbars

<u>Road</u>	<u>Number of waterbars</u>
693A	42
693D	34
693D1	3
693D2	11

T-810 Barriers

<u>Road</u>	<u>Type of Barrier</u>
693A	Earth Barrier

Road Maintenance T-Specifications**for****Pinney Slope Stewardship**

To be used with Contract Form 2400-13, K-F.3.1#

No.	Specification Title
T-800	Definitions
T-801	Slide and Slump Repair
T-802	Ditch Cleaning
T-803	Surface Blading
T-804	Surfacing Repair
T-805	Drainage Structures
T-806	Dust Abatement
T-807	Roadway Vegetation
T-808	Miscellaneous Structures
T-809	Waterbars
T-810	Barriers

SPECIFICATION T-800 DEFINITIONS

Wherever the following terms or pronouns are used in Specifications T-801 through T-810, the intent and meaning shall be interpreted as follows:

800-1.1 - Agreement. Maintenance projects require a mutually acceptable method to resolve the problems which arise when incompatible situations arise between drawings and specifications and actual conditions on the ground to allow orderly and satisfactory progress of the maintenance.

These specifications have been developed in anticipation of those problem areas and have provided that such changes will be by Agreement.

It is intended that drawings and specifications will govern unless "on-the-ground" conditions warrant otherwise, when specifications call for "Agreement", "agreed", or "approval" such Agreement or approval shall be promptly confirmed in writing.

800-1.2 - Annual Road Maintenance Plan. A plan prepared by various users of one or several roads. The plan is an Agreement on maintenance responsibilities to be performed for the coming year.

800-1.3 - Base Course. Material used to reinforce Subgrade or, as shown on drawings, placed on Subgrade to distribute wheel loads.

800-1.4 - Berm. Curb or dike constructed to prevent Roadway runoff water from discharging onto embankment slope.

800-1.5 - Borrow. Select Material taken from designated borrow sites.

800-1.6 - Crown, Inslope, and Outslope. The cross slope of the Traveled Way to aid in drainage and traffic maneuverability.

800-1.7 - Culverts. A conduit or passageway under a road, trail, or other obstruction. A culvert differs from a bridge in that it is usually entirely below the elevation of the Traveled Way.

800-1.8 - Drainage Dip. A dip in the Traveled Way which intercepts surface runoff and diverts the water off the Traveled Way. A Drainage Dip does not block the movement of traffic.

800-1.9 - Drainage Structures. Manufactured structures which control the runoff of water from the Roadway including Inslope, overside drains, aprons, flumes, downdrains, downpipes, and the like.

800-1.10 - Dust Abatement Plan. A table which lists the road, dust palliative, application rates, and estimated number of subsequent applications.

800-1.11 - Lead-off Ditches. A ditch used to transmit water from a Drainage Structure or Drainage Dip outlet to the natural drainage area.

800-1.12 - Material. Any substances specified for use in the performance of the work.

800-1.13 - Prehaul Maintenance. Road maintenance work which must be accomplished to maintain the roads to a satisfactory condition commensurate with the Contractor's use, provided Contractor's Operations do not damage improvements under G.2.2 or National Forest resources and hauling can be done safely. This work will be shown in the Annual Road Maintenance Plan as provided in K-F.3.1#.

Prehaul Maintenance work the Contractor elects to perform will be in compliance with the Road Maintenance T-Specifications.

800-1.14 - Roadbed. The portion of a road between the intersection of Subgrade and sideslopes, excluding that portion of the ditch below Subgrade.

800-1.15 - Road Maintenance Plan. A table which shows applicable road maintenance specifications to be performed by Contractor on specific roads.

800-1.16 - Roadside. A general term denoting the area adjoining the outer edge of the Roadway.

800-1.17 - Roadway. The portion of a road within the limits of excavation and embankment.

800-1.18 - Shoulder. That portion of Roadway contiguous with Traveled Way for accommodation of stopped vehicles, for emergency use, and lateral support of base and Surface Course, if any.

800-1.19 - Slide. A concentrated deposit of Materials from above or on backslope extending onto the Traveled Way or Shoulders, whether caused by mass land movements or accumulated ravelling.

800-1.20 - Slough. Material eroded from the backslope which partially or completely blocks the ditch, but does not encroach on the Traveled Way so as to block passage of traffic.

800-1.21 - Slump. A localized portion of the Roadbed which has slipped or otherwise become lower than that of the adjacent Roadbed and constitutes a hazard to traffic.

800-1.22 - Special Project Specifications. Specifications which detail conditions and requirements peculiar to the individual project.

800-1.23 - Subgrade. Top surface of Roadbed upon which Base Course or Surface Course is constructed. For roads without Base Course or Surface Course, that portion of Roadbed prepared as the finished wearing surface.

800-1.24 - Surface Course. The Material placed on Base Course or Subgrade primarily to resist abrasion and the effects of climate. Surface Course may be referred to as surfacing.

800-1.25 - Surface Treatment Plan. A table which lists the roads and surface treatments to be applied.

800-1.26 - Traveled Way. That portion of Roadway, excluding Shoulders, used for the movement of vehicles.

800-1.27 - Turnouts. That portion of the Traveled Way constructed as additional width on single lane roads to allow for safe passing of vehicles.

800-1.28 - Water Source. A place designated on the Road Maintenance Map for acquiring water for road maintenance purposes.

800-1.29 - Waterbar. A dip in the Roadbed which intercepts surface runoff and diverts the water off the Roadway. A Waterbar is not designed to be traversable by logging trucks.

SPECIFICATION T-801 SLIDE AND SLUMP REPAIR

DESCRIPTION

1.1 Slide removal is the removal from Roadway and disposal of any Material, such as soil, rock, and vegetation that cannot be routinely handled by a motorgrader during Ditch Cleaning, T-802, and Surface Blading, T-803 Operations.

Slump repair is the filling of depressions or washouts in Roadway which cannot be routinely filled by a motor grader during Surface Blading, T-803 Operations.

Slide removal and Slump repair includes excavation, loading, hauling, placing, and compacting of waste or replacement Material and the development of disposal or borrow areas.

REQUIREMENTS

3.1 Slide Material, including soil, rock and vegetative matter which encroaches into the Roadway, shall be removed. The slope which generated the Slide Material shall be reshaped during the removal of the Slide Material with the excavation and loading equipment. Slide Material deposited on the fillslope and below the Traveled Way will not be removed unless needed for slope stability or to protect adjacent resources.

Surface and Base Courses shall not be excavated during Slide removal operations.

Slide Material which cannot be used for other beneficial purposes shall be disposed of at disposal sites shown on Contract Area Map. Material placed in disposal sites will not require compaction unless compaction is shown on Road Maintenance Plan.

T-801-1

3.2 When filling Slumps or washouts, Material shall be moved from agreed locations or borrow sites, placed in layers, and compacted by operating the hauling and spreading equipment uniformly over the full width of each layer.

Existing aggregate surfacing shall be salvaged when practical and relaid after depressions have been filled.

Damaged aggregate base, aggregate surfacing, and bituminous pavement shall be repaired under Specification T-804 Surfacing Repair.

The repaired areas of the Slump shall conform to the cross-section which existed prior to the Slump and shall blend with the adjacent undisturbed Traveled Way.

3.3 The maximum volume of Contractor responsibility for Slide and Slump repair is shown on Road Maintenance Plan. Greater volumes of Slide and Slump repair not qualifying as Catastrophic Damage are Forest Service responsibility.

T-801-2

SPECIFICATION T-802 DITCH CLEANING

DESCRIPTION

1.1 Ditch cleaning is removing and disposing of all Slough Material from Roadway ditches to provide a free-draining waterway.

REQUIREMENTS

3.1 Ditch cleaning shall be repeated during the year as often as necessary to facilitate proper drainage.

3.2 All Slough Material or other debris which might obstruct water flow in the Roadway ditch shall be removed. Material removed from the ditch, if suitable, may be blended into existing native road surface or Shoulder or placed in designated Berms in conjunction with Surface Blading T-803 operations.

Material removed from ditches that is not by Agreement blended into existing roads or placed in Berms shall be loaded and hauled to the disposal site designated by the Forest Service.

3.3 Roadway backslope or Berm shall not be undercut.

T-802-1

SPECIFICATION T-803 SURFACE BLADING

DESCRIPTION

1.1 Surface blading is keeping a native or aggregate Roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the Crown, Inslope or Outslope of the Traveled Way, Turnouts, and Shoulder; repairing Berms; blending approach road intersections; and cleaning bridge decks, Drainage Dips, and Lead-off Ditches.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Contractor's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Surface irregularities shall be eliminated and the surface left in a free-draining state and to a smoothness needed to facilitate traffic. Surface Material which has been displaced to the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to prevent the loss of surface Material and to provide for a thorough mixing of the Material being worked.

3.3 Water, taken from Water Sources designated on Contract Area Map, shall be applied during blading if sufficient moisture is not present to cut, mix, or compact the surface Material.

3.4 On native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.5 Roadway backslopes or Berms shall not be undercut, nor shall new Berms be established unless agreed otherwise.

Berms shall be repaired by placing Material, as needed to restore the Berm, to reasonably blend with existing line, grade, and cross-section.

3.6 Drainage Dips and Lead-off Ditches shall be cleaned and maintained to reasonably blend with existing line, grade, and cross-section.

3.7 Intersecting roads shall be bladed for a distance of 50 feet to assure proper blending of the two riding surfaces.

3.8 Rocks or other Material remaining on the Traveled Way after the final pass that are larger than 4 inches in diameter or are larger than the maximum size of imported surfacing shall be removed from the Traveled Way. Unless otherwise designated by the Forest Service, the oversized Material shall be disposed of by sidecasting. Sidecasting into streams, lakes, or water courses will not be permitted.

3.9 Material resulting from work under this specification shall not remain on or in structures, such as Culverts, overside drains, cattleguards, ditches, Drainage Dips, and the like.

3.10 Material resulting from work under this specification, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

T-803-2

SPECIFICATION T-804 SURFACING REPAIR

DESCRIPTION

1.1 Surfacing repair is repairing potholes or small soft areas in the Traveled Way. It includes area preparation and furnishing and placing all necessary Materials, and other work necessary to repair the surface.

MATERIALS

2.1 Material used in the repair of soft areas on aggregate or native surfaced roads may be acquired from approved commercial sources, designated Forest Service Borrow areas, or Borrow sources agreed to. The quality and quantity of the imported Material used in the repair will be limited to that needed to provide a stable Traveled Way for hauling and to minimize damage to the road and adjacent resources. The quantity of imported surface repair Material used in the appraisal estimate will be shown on Road Maintenance Plan. However, the magnitude of the work may vary depending on Contractor's hauling schedule and ground conditions.

2.2 Material used in the repair of bituminous pavements may be acquired from local commercial sources. If a mixing table is required, the location shall be approved by the Forest Service. The bituminous mixture to be used by the Contractor shall be approved by the Forest Service. The Contractor's share of the quantity of bituminous mixture used in the appraisal estimate will be shown on Road Maintenance Plan. However, Contractor's share of the work may vary depending on Contractor's hauling schedule, ground conditions, other traffic, etc.

REQUIREMENTS

3.1 Work under this specification shall be performed in a timely manner to reduce further deterioration of the Traveled Way.

3.2 Soft spots on aggregate or native surfaces shall be repaired by placing the imported Surface Course on top of the soft spot. Layers of imported Material shall be placed until a firm surface is produced.

3.3 Bituminous Pavement Repairs. The areas to receive bituminous pavement repairs will be marked on the road surface by the Forest Service just prior to Contractor performing the work.

T-804-1

3.4 Potholes (deep patch). Surface Course and Base Course Materials shall be excavated to a depth necessary to reach firm, suitable Material. The minimum depth of excavation shall be 2 inches and the maximum depth of excavation shall be to the top of the Subgrade.

The edges of the prepared hole shall be extended to form a vertical face in unfractured asphalt surfacing. The prepared hole shall generally be circular or rectangular in shape, dry, and cleaned of all loose Material.

Prepared potholes shall be patched or barricaded immediately.

The faces of the prepared hole shall be tacked with a slow-setting emulsified asphalt.

The bituminous mixture shall be placed in layers not exceeding a compacted depth of 2 inches. Each layer shall be compacted thoroughly with hand or mechanical tampers or rollers. Compaction shall not be done with equipment wheels.

Upon completion, the compacted patch in the pothole shall be flush, with a tolerance or approximately ¼ inch to ½ inch above the level of the adjacent pavement.

3.5 Skin Patches. Bituminous mixture shall be distributed uniformly with feathered edges in layers not to exceed 2 inches compacted depth. When multiple layers are ordered, joints shall be offset at least 6 inches between layers.

Each layer shall be compacted by two passes with a 7-10 ton steel roller or comparable vibratory roller.

3.6 Asphalt Berm. Damaged segments of Berm shall be removed and the exposed ends beveled at approximately 45 degrees from vertical. The Berm foundation shall be cleaned and patched as necessary. The foundation and joining surfaces shall be coated with a slow-setting emulsified asphalt. Asphalt mix shall be placed and compacted to conform with the shape and alignment of the undamaged segment.

3.7 Disposal. All Materials removed from potholes, patches, and Berms shall be disposed of at disposal sites designated by the Forest Service.

SPECIFICATION T-805 DRAINAGE STRUCTURES

DESCRIPTION

1.1 This work consists of maintaining Drainage Structures and related items such as inlet and outlet channels, existing riprap, trash racks, and dropinlets.

MATERIALS

2.1 All Materials used in the maintenance of Drainage Structures shall conform by type and specification to the Material in the structure being maintained.

REQUIREMENTS

3.1 Drainage Structures and related items shall be cleared of all foreign Material which has been deposited above the bottom of the structure and all vegetative growth which interferes with the flow pattern. Material removed that cannot be incorporated into maintenance work shall be hauled to a disposal site designated by the Forest Service.

3.2 If outlet or inlet riprap was installed by Contractor as a construction item or existed prior to Contractor's haul, it shall be maintained in good condition including the replacement of riprap if necessary to previous line, grade, and cross-section.

3.3 Perform maintenance to insure the proper functioning of the head walls, aprons, inlet assemblies, overside drains, riprap, trash racks, and other facilities related to the Drainage Structure.

T-805-1

SPECIFICATION T-806 DUST ABATEMENT

DESCRIPTION

1.1 This work shall consist of preparing Traveled Way and furnishing and applying Materials to abate dust.

MATERIALS

2.1 The roads requiring dust abatement, type of dust abatement Material to be used, the rates of application, and frequency of applications will be shown on Dust Abatement Plan (K-F.3.1#). The Dust Abatement Plan may be changed by written Agreement.

2.2 Water. The locations of Water Sources are shown on Contract Area Map.

2.3 Dust abatement Materials shall meet the requirements of the following subsections of Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-03).

Magnesium or Calcium Chloride Brine	725.02
Lignin Sulfonate	725.20

2.4 Testing of Materials. Certification and sampling of Lignin Sulfonate, Calcium Chloride, and Magnesium Chloride shall be in accordance with subsections 106.04 of Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-03).

Requirements

3.1 General. Dust abatement Materials shall be applied to the road surface as necessary to control road surface loss, provide for road user safety, and minimize damage to adjacent resources.

3.2 Preparation for Dust Abatement Materials Other Than Water. The following applies to all methods of preparation:

Traveled Way shall be bladed in accordance with T-803. Apply sufficient water to permit thorough mixing of the surfacing material prior to compaction.

Compact Traveled Way in accordance with **FSSS 204.11, Method "B"**.

Lignin Sulfonate, Calcium Chloride and Magnesium Chloride shall be applied when the top 1 inch of Traveled Way contains not less than 3 percent moisture, nor more than 20 percent of optimum moisture.

The Following method shall be used:

Method 1.

Apply half the dust abatement Material. When the dust abatement Material has penetrated, the remaining dust abatement Material shall be applied.

3.3 Preparation for Dust Abatement with Water. Traveled Way shall be prepared in accordance with Specification T-803 Surface Blading when required.

3.4 Application Tolerance. Dust abatement Materials other than water shall be applied within 0.05 gallons per square yard of the rate specified.

3.5 Weather Limitations. Dust abatement Materials shall not be applied when it is raining. Lignin Sulfonate, Calcium Chloride, and Magnesium Chloride shall be applied when the atmospheric temperature is 40 degrees Fahrenheit or higher.

T-806-2

SPECIFICATION T-807 ROADWAY VEGETATION

DESCRIPTION

1.1 This work consists of cutting and disposing of all vegetative growth, including trees on roadway surfaces and roadsides that reduce sight distance and operational capability of the road within the clearing limits as described in the Road Maintenance Plan.

REQUIREMENTS

3.1 Cut brush, trees and other vegetative matter within the clearing limits to a maximum height of 6 inches above the ground surface or obstruction such as rocks or existing stumps which reduces sight distance, impedes vehicular travel or interferes with road maintenance operations, such as surface blading and ditch and culvert cleaning shall be removed. Timber meeting utilization standards shall be cut in appropriate lengths and decked along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

3.2 Any items to remain will be Designated by the Forest Service.

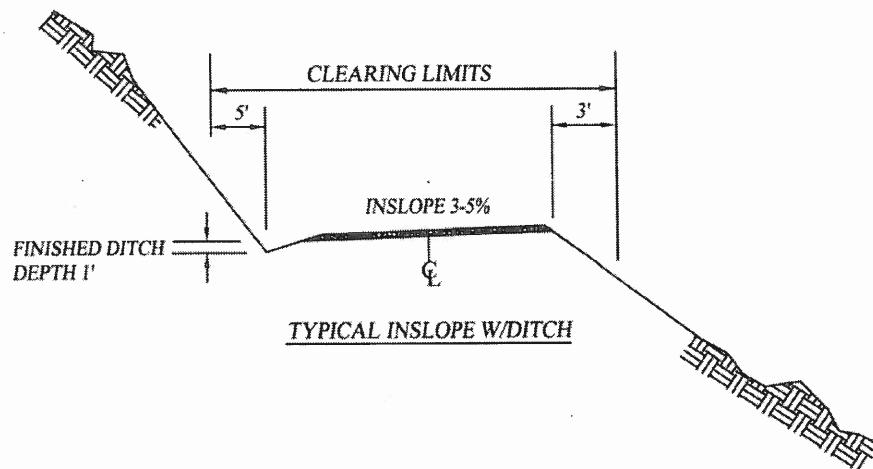
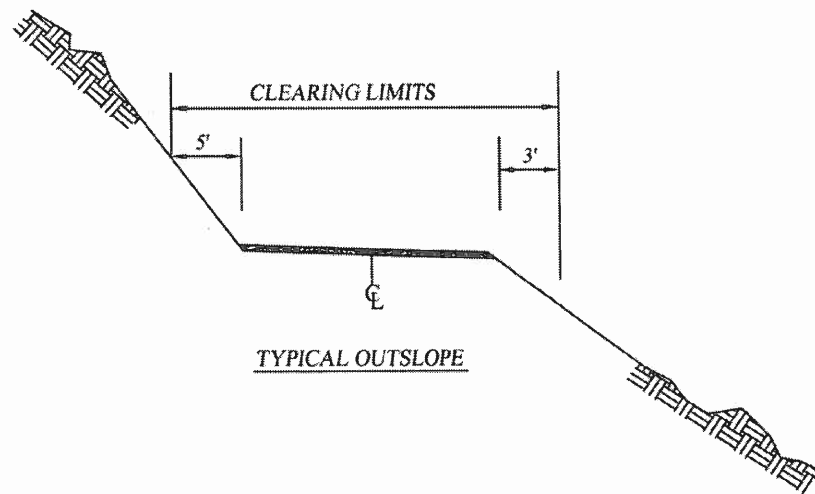
3.3 Trim tree branches that extend over the road surface and shoulders to attain a clear height of 14 feet. When trees are limbed, cut limbs within 4 inches or less of the trunk. If required, remove other branches to present a balanced appearance.

3.4 Work may be performed either by hand or mechanically unless specifically shown in the Road Maintenance Plan. Self-propelled equipment is not allowed on cut and fill slopes or in ditches.

3.5 Vegetative matter and non-merchantable timber cut from the Clearing Limits shall be treated by the specified method as required by K-G.6.7# - SLASH TREATMENT.

T-807-1

T-807 DIAGRAMS AND SPECIFICATIONS FOR ROADWAY VEGETATION



SPECIFICATION T-808 MISCELLANEOUS STRUCTURES

DESCRIPTION

1.1 Maintenance of miscellaneous structures includes cattleguards, gates, and other similar structures that have been previously installed to insure safe and efficient operation of the road.

MATERIALS

2.1 Any Materials needed in the maintenance of miscellaneous structures shall be similar in type and quality to the Material in the structure being maintained.

REQUIREMENTS

3.1 Cattleguards. Loose rails shall be welded or bolted back in place.

Excess Material carried into the cattleguard shall be removed when drainage is blocked or when it reaches 6 inches from the bottom of the cattleguard frame. Drainage into and from the cattleguard shall be kept open.

3.2 Gates. Gates shall be kept in good repair and made to swing easily. Hinges or latches shall be repaired if not operating properly.

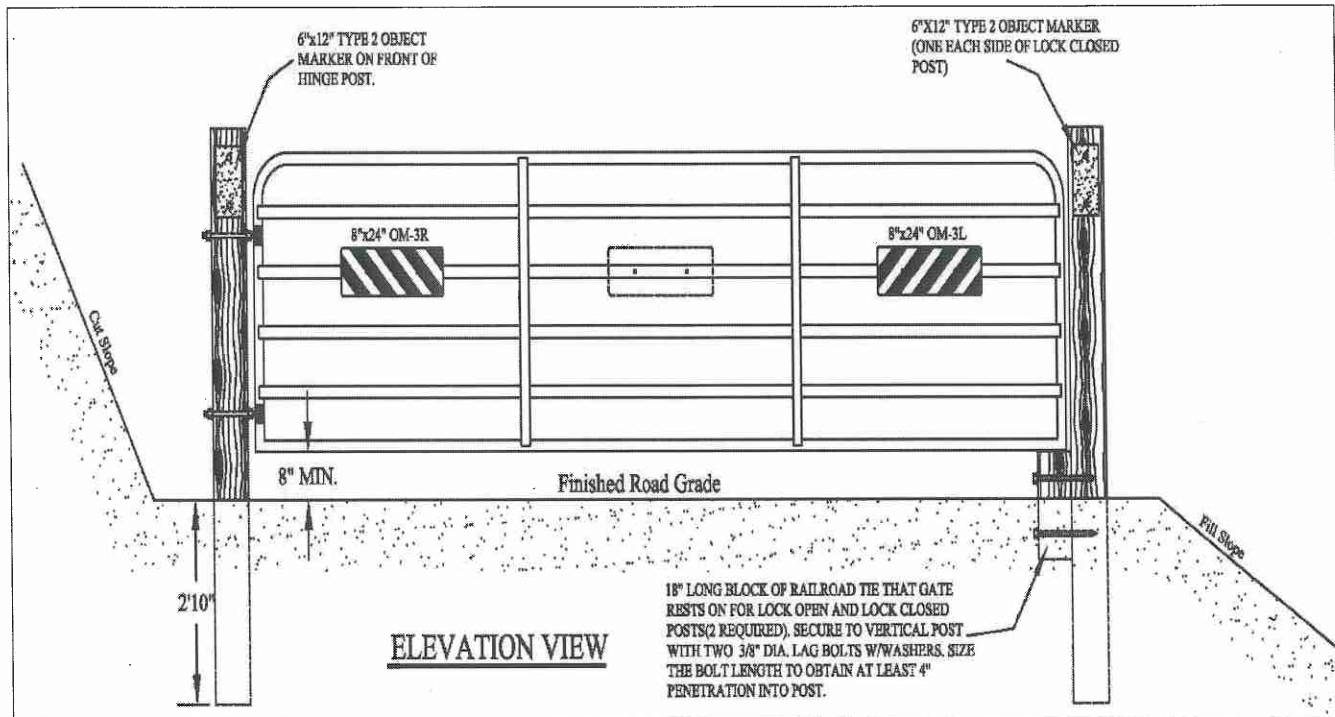
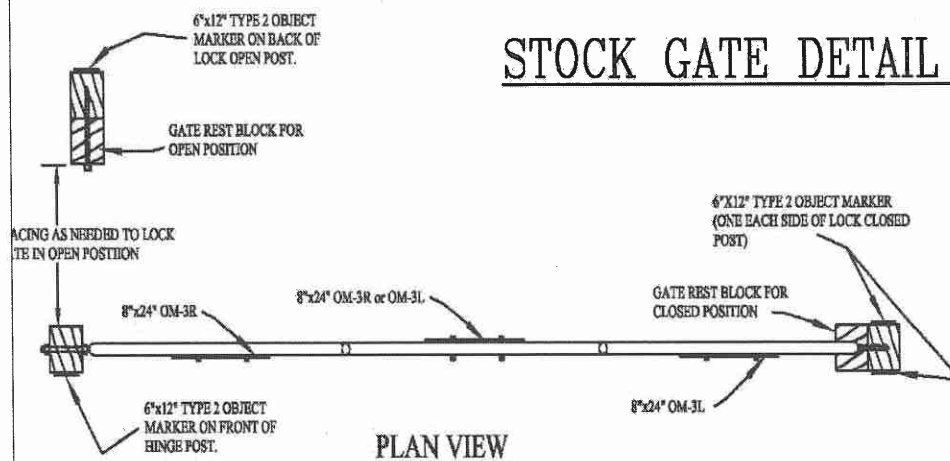
Brush and debris shall be removed from within the swinging radius.

T-808

K-F.4.1#

NOTES:

1. FURNISH GATE, RAILROAD TIES, SIGNS, AND ALL HARDWARE NECESSARY FOR THE INSTALLATION OF THE GATE.
2. TYPE 2 OBJECT MARKERS(4 required) SHALL BE 6"x12" YELLOW REFLECTORIZED ALUMINUM, AND SHALL BE ATTACHED TO THE POSTS USING TWO 3/8" DIA. X 3" LONG LAG BOLTS W/WASHERS.
3. TYPE 3 OBJECT MARKERS SHALL BE 8"x24" RED AND WHITE REFLECTORIZED ALUMINUM AND ATTACHED TO THE GATE RAILS USING 3/8" BOLTS W/NUTS AND WASHERS.
4. GATE SHALL BE 16' WIDE "BEHLEN COUNTRY 2in. STOCK GUARD" OR EQUIVALENT, BUILT USING 16 GAUGE STEEL, PAINTED GREEN.
5. FURNISH 8' LONG RAILROAD TIES(3 required), AND 18" LONG RAILROAD TIE BLOCKS(2 required) THAT ARE IN GOOD CONDITION, FREE OF LARGE CRACKS AND OTHER DEFECTS

**STOCK GATE DETAIL (NTS)**

SPECIFICATION T-809 WATERBARS

DESCRIPTION

1.1 This work consists of installing or removing Waterbars in the Roadbed.

REQUIREMENTS

3.1 Waterbars shall be installed on roads shown on Road Maintenance Plan in accordance with the attached drawings and at locations designated or staked on the ground.

All Material excavated shall be used in the installation of the Waterbar. Bermed Material shall be compacted by operating heavy equipment over the length and width of the Berm.

3.2 Waterbars shall be removed on roads shown on Road Maintenance Plan by blading the Berm into the adjacent depression to form a smooth transition along the Traveled Way. The length and width of the fill Material shall be compacted by the equipment performing the work.

3.3 Waterbars may be required to be installed between seasons of use and then removed when haul is resumed. Waterbar installation may also be required when use of a road has been completed.

T-809-1

USDA-FOREST SERVICE

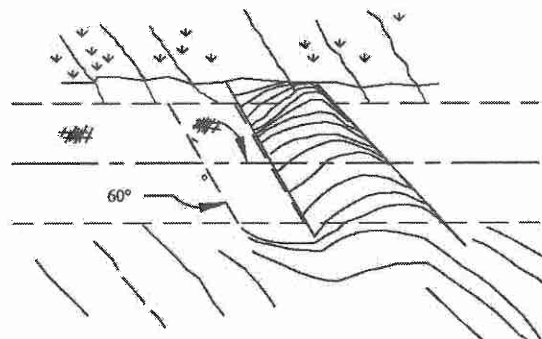
T-809 - Diagrams and Specifications for Waterbar Construction

Waterbars are designated by colored flagging

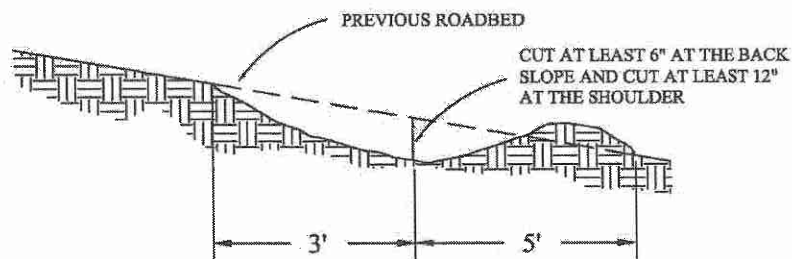
SPECIFICATIONS

1. Slope waterbars diagonally out and downgrade at a minimum angle of 60 degrees with the centerline of the road. Tie waterbar securely to the back slope.
2. Cut roadbed to a depth of at least six inches at the back slope and to a depth of at least 12 inches at the shoulder.

DIAGRAMS



VIEW OF COMPLETED WATERBAR



CROSS SECTION OF WATERBAR

SPECIFICATION T-810 BARRIERS

DESCRIPTION

1.1 This work shall consist of furnishing, installing, or removing barriers. Gates are not included.

MATERIALS

2.1 Materials for barriers shall meet the requirements as shown on attached drawings.

REQUIREMENTS

3.1 Barriers shall be installed in accordance with the attached drawings.

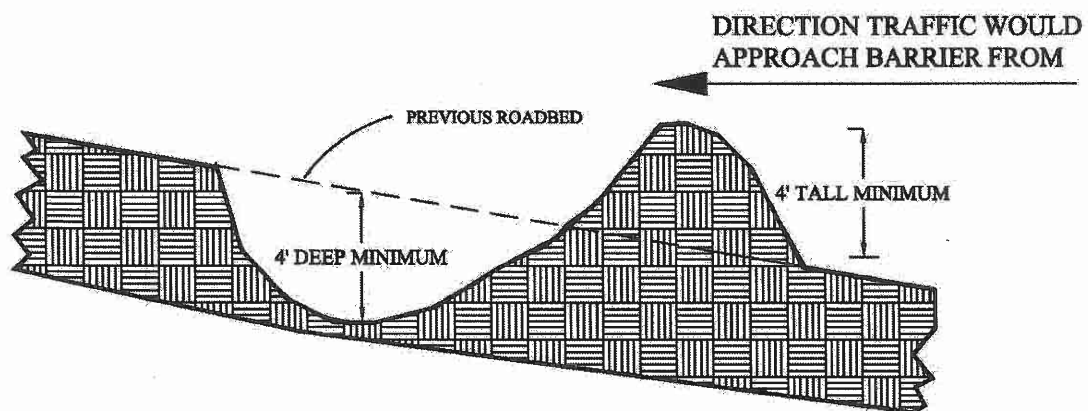
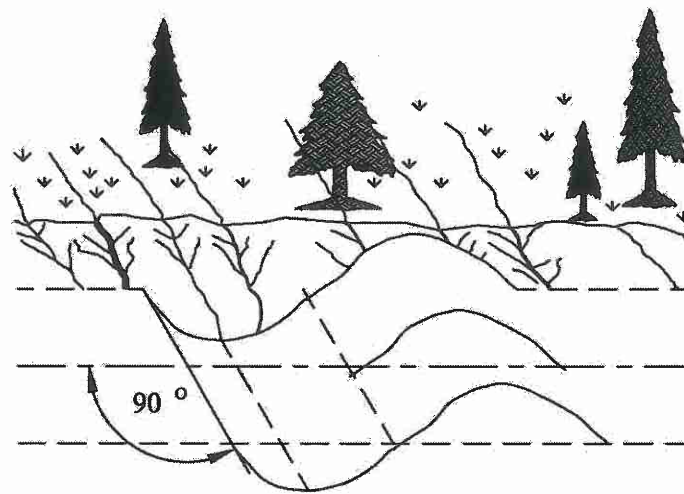
The location of barriers to be removed or installed is shown on Contract Area Map. Installation or removal may occur as often as road use is terminated and resumed.

T-810-1

USDA-FOREST SERVICE

T-810 - Diagrams and Specifications for Earth Barriers

1. Earth barriers shall slope outward to drain at an angle of 90 degrees from the centerline of the road.
2. The barrier shall be constructed to block the entire roadway width.



Contract Name: Pinney Slope Stewardship

K-F.3.2# - ROAD MAINTENANCE DEPOSIT SCHEDULE (09/2004)

Other provisions herein notwithstanding, when Forest Service requests payment in lieu of Contractor's performance of road maintenance, Contractor shall make Required Deposits (16 USC 537) for current and/or deferred road maintenance. Such deposits are based on the estimated volume and distance hauled and Contractor's commensurate use of each road listed in the Road Maintenance Plan in K-F.3.1#.

Contractor and Forest Service may agree in writing on adjustment of such rates. If Contractor uses roads under jurisdiction of Forest Service other than those listed in the Road Maintenance Plan, Forest Service shall establish rates commensurate with Contractor's use of such roads.

The Required Deposits for Forest Service work in lieu of Contractor performance and for deferred maintenance is: \$ \$1.00 per Ton.

The following table lists who Contractor will make deposits for road maintenance to, and the rate per unit of measure of the deposit. The Road Maintenance Agreement is available for inspection at the Forest Supervisor's Office.

Deposit Made To	Rate	Unit of Measure
<hr/>		
N/A		

K-F.3.4# - OBLITERATION OF TEMPORARY ROADS, SKID TRAILS AND LANDINGS (11/2006)

Unless otherwise agreed in writing, temporary roads, skid trails and landings associated with the cutting unit(s) listed in the following table shall be obliterated using the method described.

See Obliteration Table

K-F.3.4# - OBLITERATION OF TEMPORARY ROADS, SKID TRAILS AND LANDINGS. (11/06)

Cutting Unit(s)	Type of Facility	Closure Method
All	Constructed Landings	<p>Topsoil must be stockpiled, replaced, evenly spread and sloped to facilitate drainage per K-G.4.2.2.</p> <p>Rip to a depth of 12-18", seed per K-G.6.0.1# and slash < 6" diameter must be scattered over 30% of the landing surface.</p>
All	Temp Roads	<p>Reshape or recontour as directed by the Forest Service.</p> <p>Rip to 12" or as directed by the Forest Service.</p> <p>Distribute slash to cover 30% of the entire length.</p> <p>Remove Culverts.</p> <p>Waterbar as designated by the Forest Service.</p> <p>Seed immediately prior to first winter after construction per K-G.6.0.1#</p>

K-F.3.6# - SNOW REMOVAL (11/2006)

Snow removal shall be done in a manner to preserve and protect the roads to insure safe and efficient transportation and to prevent unacceptable erosion damage to roads, streams, and adjacent lands.

A. Description. Snow removal work by Contractor shall include:

1. Removal of snow from entire road surface width including turnouts.
2. Removal of snow slides, minor earth slides, fallen timber and boulders that obstruct normal road surface width including turnouts.
3. Maintain drainage so that the drainage system will function efficiently.

B. Performance. All items of snow removal shall be done currently as necessary to insure safe, efficient transportation. Work shall be done in accordance with the following minimum standards of performance.

1. Removal of material. All debris, except snow and ice, that is removed from the road surface and ditches shall be deposited away from stream channels at agreed locations.
2. During snow removal operations, banks shall not be undercut nor shall gravel or other selected surfacing material be bladed off the roadway surface.
3. Ditches and culverts shall be kept functional during and following roadway use.
4. Snow berms shall not be left on the road surface. Berms left on the shoulder of road shall be removed and/or drainage holes shall be opened and maintained. Drainage holes shall be spaced as required to obtain satisfactory surface drainage without discharge on erodible fills.
5. Dozers and skidders shall not be used to plow snow on system roads without written approval of Forest Service. Upon approval, dozers and skidders must be equipped with shoes or runners to keep the plow blade a minimum of 6 inches above the road surface unless specifically removed from the requirements in writing.
6. Snow must not be removed to the road surface. A minimum 6 inch depth must be left to protect the roadway.
7. Contractor's damage from, or as a result of, snow removal shall be restored in a timely manner.

Contract Name: Pinney Slope Stewardship

K-F.4.1# - CLOSURE TO USE BY OTHERS (11/2006)

A. Closure of Roads During Period of Contract. Unless otherwise agreed in writing between Contractor and Forest Service, Contractor shall within 15 days of receipt of notice from Forest Service, install gates listed below and close gates on roads designated "To Be Closed" on Contract Area Map and listed below to effectively block access behind such gates to vehicle traffic except that constituting official use. Installation of gates shall follow closure details attached hereto and made a part hereof.

Official vehicle traffic shall constitute that use by Contractor and his employees when engaged in contract activities. It shall also include administrative traffic by Forest Service, and other landowners for the administration of their lands. Contractor will close gates as directed by Forest Service at the completion of daily activities or close gates after passage of each vehicle. Forest Service will monitor and administer closure activities.

See Gate Location(s) Table

B. Closure of Roads at End of Contractor's Use. Unless otherwise agreed in writing between Contractor and Forest Service, upon completion of use, Contractor shall effectively close to public use the following roads designated "To Be Closed" on Contract Area Map and listed below. As an element of final road maintenance and environmental or resource protection, the designated closure shall be accomplished by using the methods required for each road as described below:

Installation of barricades, which may include earth berms, logs, timber, rock, metal railing, etc., in accordance with details attached hereto and made a part hereof, including the proper barricade and closure signing.

Scarify, seed, and fertilize these travel ways full width as described in K-G.6.0.1#.

Recontour or reshape cut or fill slopes in accordance with details attached hereto and made a part hereof; seed, scarify, and fertilize as described under K-G.6.0.1#; pull existing drainage structures; haul designated culverts to approved stockpile site, or other work needed to obliterate or put road to bed as described in attached road logs or details.

Construct cross ditches by cutting a dip at least six (6) inches deep in the road surface and mounding the excavated material along the downgrade edge of the dip. Dips shall be cut at a sufficient angle so that they will drain to the outside of the road. They shall cross the entire width of the roadbed and be constructed at the following spacing:

See Water Dip Specifications Table

See Close and Lock Existing Gate(s) Table

During the life of this contract, Contractor is authorized to install temporary barricades on the roads designated "To Be Closed." Gates with adequate and protected locks may be considered a temporary barricade. Temporary barricades shall be installed so that they may be readily opened by Contractor or Forest Service for access to Contract Area in case of fire or other emergency. Official vehicle traffic shall also include administrative traffic by Forest Service and other landowners for the administration of their lands. Contractor shall provide and post approved signs as authorized by Forest Service.

C. Contractor's Operations in areas otherwise closed to motorized vehicles. During the period January 1 to December 31 when Contractor's Operations are in areas otherwise closed to motorized vehicles, Contractor shall not be permitted to hunt, transport hunters, discharge firearms, or transport big game animals with

Contract Name: Pinney Slope Stewardship

vehicles within the closed areas.

K-F.4.1# - CLOSURE TO USE BY OTHERS. (11/06)

Gate Location(s)				
Road Number	Location	Gate Furnished By 1/	Gate Installed By 1/	In Place 3/
N/A				

Percent Grade	Maximum Spacing
N/A	

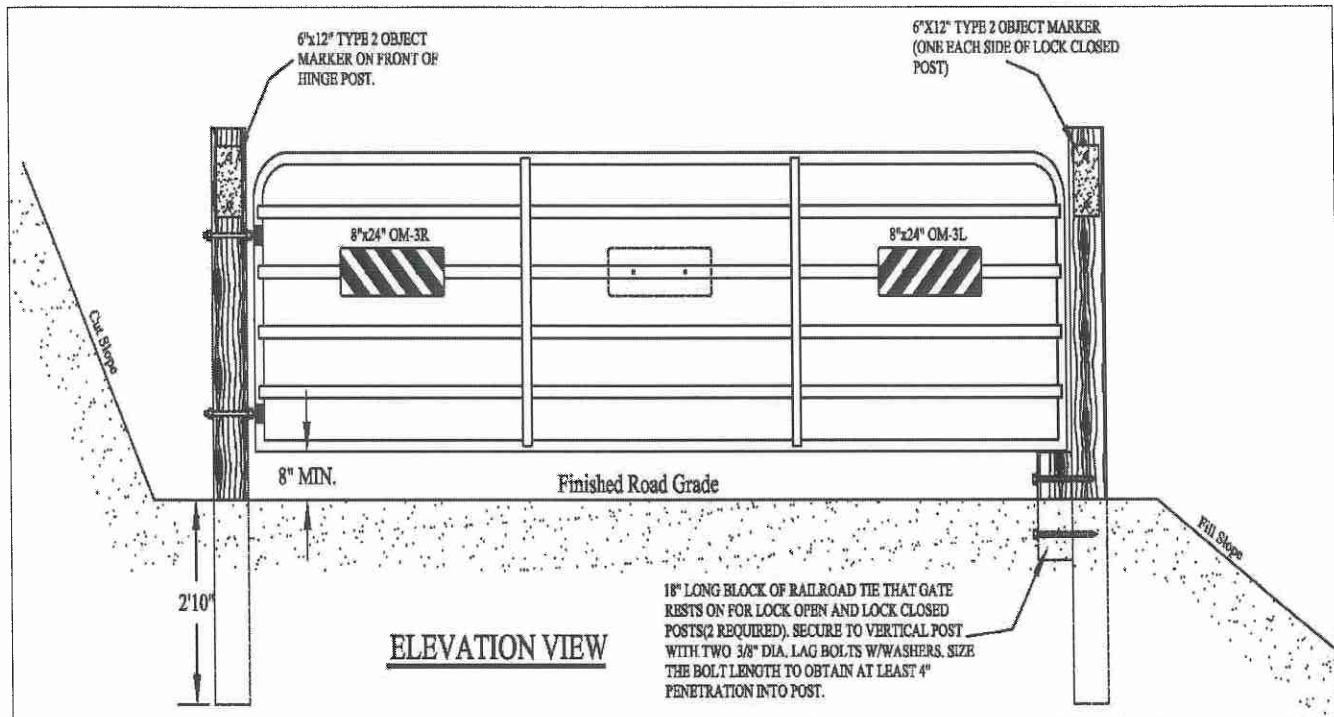
Close and Lock Existing Gate(s)

Closure Location(s)				
Road Number	Location	Closure Method 2/	Furnished By 1/	In Place 3/
693D	M.P. 0.0	Gate	Purchaser	After Installed

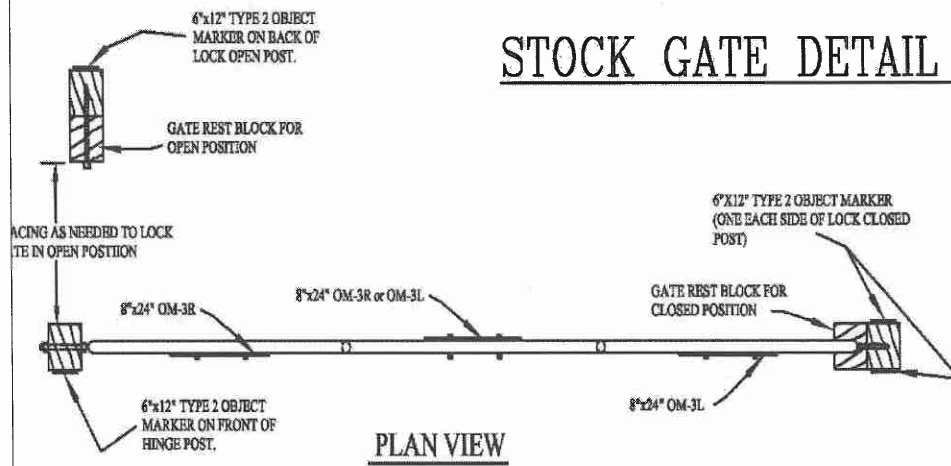
K-F.4.1#

NOTES:

1. FURNISH GATE, RAILROAD TIES, SIGNS, AND ALL HARDWARE NECESSARY FOR THE INSTALLATION OF THE GATE.
2. TYPE 2 OBJECT MARKERS(4 required) SHALL BE 6"x12" YELLOW REFLECTORIZED ALUMINUM, AND SHALL BE ATTACHED TO THE POSTS USING TWO 3/8" DIA. X 3" LONG LAG BOLTS W/WASHERS.
3. TYPE 3 OBJECT MARKERS SHALL BE 8"x24" RED AND WHITE REFLECTORIZED ALUMINUM AND ATTACHED TO THE GATE RAILS USING 3/8" BOLTS W/NUTS AND WASHERS.
4. GATE SHALL BE 16' WIDE "BEHLEN COUNTRY 2in. STOCK GUARD" OR EQUIVALENT, BUILT USING 16 GAUGE STEEL, PAINTED GREEN.
5. FURNISH 6' LONG RAILROAD TIES(3 required), AND 18" LONG RAILROAD TIE BLOCKS(2 required) THAT ARE IN GOOD CONDITION, FREE OF LARGE CRACKS AND OTHER DEFECTS



STOCK GATE DETAIL (NTS)



Contract Name: Pinney Slope Stewardship

K-G.2.4# - SITE SPECIFIC SPECIAL PROTECTION MEASURES (09/2004)

Special protection measures needed to protect known areas identified on Sale Area Map or on the ground include:

Cultural Resource Protection Measures: N/A

Wildlife and Botanical Protection Measures: When taking water from fish bearing streams identified by the Forest Service for specified road maintenance or other sale related activities, water intake hoses shall be screened with appropriate mesh size (3/32 of an inch or smaller) or as directed by the Forest Service.

If Pumps or other drafting equipment is needed, all pumps utilized at water drafting locations shall have spill containment commensurate with the amount of fuel held by the pump. In addition, if pumps or other drafting equipment is needed at one location longer than two weeks, where practicable, equipment locations should be moved to minimize impacts to underlying vegetation. Where impacts to underlying vegetation cannot be practicably avoided and reestablishment of vegetation is needed at a drafting site, refer to K-G.6.0.1#.

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Cave Resource Protection Measures: N/A

K-G.3.1.2# - CONTRACT OPERATION RESTRICTIONS (11/2006)

Unless otherwise agreed in writing, contract operations will be restricted as listed below:

See Sale Operation Restrictions Table

K-G.3.1.2# - CONTRACT OPERATION RESTRICTIONS. (11/06)**Contract Operation Restriction Schedule**

Subdivision / Cutting Unit	Restriction	Purpose
Subdivisions A, B, C	Unless agreed otherwise, operations on each Sub-division shall be completed and accepted prior to entry into the next Subdivision	Control of Operations
All	Fuel storage, refueling, or servicing of vehicles will not be allowed in SMZ's unless designated by the Forest Service	Reduce impacts to aquatic resources
All	Log landings will be located outside designated SMZ's unless designated by the Forest Service. For landings located within the SMZ's, erosion control measures will be implemented to prevent delivery of sediment into the SMZ.	Reduce impacts to aquatic resources
All	Snow plowing will not be allowed on designated haul routes from December 15 th to March 15 th .	Allow for snowmobile trail grooming

Contract Name: Pinney Slope Stewardship

K-G.3.3.1# - SAFETY (HELICOPTER OPERATIONS) (11/2006)

Where helicopter yarding operations are being conducted over or in close proximity to roads and trails shown on Contract Area Map to be kept open, Contractor shall furnish and post flagmen during active yarding operations to prevent the passage of vehicular or pedestrian traffic beneath such yarding operations.

Contractor shall provide radio communications between helicopter yarding operations and the flagman.

Traffic shall be allowed to pass through operation areas at time intervals not to exceed 20 minutes unless otherwise authorized in writing by Forest Service.

Contractor shall provide and place at locations specified by Forest Service two signs warning potential users of roads and trails in the helicopter operating area that traffic delays can be expected during operating hours. Sign size, wording, and construction shall be in accordance with standard warning signs specified in the Manual on Uniform Traffic Control Devices.

K-G.3.4.1 - PREVENTION OF OIL SPILLS (IDAHO FORESTS) (11/2006)

If Contractor maintains storage facilities for petroleum or petroleum products on Contract Area, Contractor shall take appropriate preventive measures to ensure that any spill of such petroleum or petroleum products does not enter any stream or other waters of the United States or any of the individual States.

Petroleum or petroleum product storage containers with capacities of more than 200 gallons, stationary or mobile, shall be located no closer than 100 feet from stream, watercourse, or area of open water. Dikes, berms, or embankments shall be constructed to contain at least 110% of the volume of petroleum products stored within the containers. Diked areas shall be sufficiently impervious and of adequate capacity to contain spilled petroleum products.

If the total petroleum or petroleum products storage exceeds 1,320 gallons in containers of 55 gallons or greater, Contractor shall prepare a Spill Prevention Control and Countermeasures (SPCC) Plan. Such plan shall meet applicable EPA requirements (40CFR 112), including certification by a registered professional engineer.

Contractor shall notify Contracting Officer and appropriate agencies of all reportable (40CFR 110) spills of petroleum or petroleum products on or in the vicinity of Contract Area that are caused by Contractor's employees, agents, subcontractors, or their employees or agents, directly or indirectly, as a result of Contractor's operations. Contractor will take whatever initial action that may be safely accomplished to contain all spills.

Contract Name: Pinney Slope Stewardship

K-G.4.1.1# - FELLING AND BUCKING (SPECIAL OBJECTIVES) (11/2006)

Unless otherwise agreed in writing, silvicultural prescriptions and land management objectives shall be conducted and accomplished by the following requirements, methods and procedures:

See Felling and Bucking Table

K-G.4.1.1# - FELLING AND BUCKING (SPECIAL OBJECTIVES). (11/06)

Cutting Unit

Special Objectives

ALL

Felling shall not be performed until the location of all landings, ski roads, and skid trails have been flagged by the Contractor and agreed upon by the Forest Service.

Trees shall be felled insofar as topography and lean permit, with ends angled toward skid roads, or skid trails, in the direction of skidding along such skidways, and so that existing reproduction is not damaged.

Fell trees away from Streamside Management Zones.

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Contract Name: Pinney Slope Stewardship

K-G.4.2# - SKIDDING AND YARDING (SPECIAL OBJECTIVES) (11/2006)

Unless otherwise agreed in writing, silvicultural prescriptions and land management objectives shall be conducted and accomplished by the following requirements, methods and procedures:

Fill In Table

K-G.4.2# - SKIDDING AND YARDING (SPECIAL OBJECTIVES). (11/06)

Cutting Unit

Tractor/ORJ Units

46, 51, 52, 55, 67, 68, 69, 72, 77, 88, 92

Special Objectives

Landings and skid roads and/or skid trails will be flagged by the Contractor, approved by the Forest Service, and constructed in advance of felling. Utilize existing trails whenever possible.

All skidding and yarding machinery will be required to stay on approved skid roads/trails unless agreed upon by the Forest Service.

Tractor and excavator (off-road jammer with tracked undercarriage) yarding required. Tractor yarding is restricted to gradients 35% or less. When excavator yarding, logs on gradients greater than 35 percent must be yarded to the excavator. Forwarding to log landings is restricted to gradients less than 30 percent on designated skid trails. Trees designated for cutting and/or logs will be left as rub trees along skid trails as needed to protect young growth and leave trees. While tractor yarding or forwarding, trees and logs shall be skidded with the leading ends free of the ground.

K-G.4.2# - SKIDDING AND YARDING (SPECIAL OBJECTIVES). (11/06)

Cutting Unit

Skyline Units

47, 49, 50, 53, 54, 57, 58, 59, 60, 64, 66, 70, 71
73, 74, 75, 76, 78, 79, 85, 87, 91

Special Objectives

Mechanized felling equipment and pre-bunching is allowed on slopes up to 45%.

Skyline units will be whole-tree yarded.

When rigging is attached to residual trees, tree plates or similar protective devices shall be used and removed when rigging is removed.

Except for lateral yarding, logs shall be yarded with the lead end free of the ground.

The skyline yarding system shall provide for up to 150 feet of lateral yarding. The carriage must maintain a fixed position on the skyline while lateral yarding.

During lateral yarding, logs shall be yarded along a path which minimizes damage to residual trees.

Where topography permits, skyline corridors shall not be less than 300 feet apart.

All skyline corridor locations shall be approved by the Forest Service before any timber is felled.

Final skyline corridor width shall be the practicable minimum consistent with the related silvicultural prescription. Skyline corridors shall have only those trees cut that are necessary to allow the safe free passage of the carriage and turn of logs.

Contractor shall leave sufficient rub trees adjacent to the skyline corridors to protect the residual timber from logging damage during the yarding cycle. After Included Timber has been yarded through the skyline corridor, damaged trees along either side of the corridor shall be cut and removed as provided under C.1.3.

K-G.4.2# - SKIDDING AND YARDING (SPECIAL OBJECTIVES). (11/06)

Cutting Unit

Special Objectives

Helicopter Units

48, 56, 61, 62, 63, 65, 80, 81, 82, 83, 84, 86, 89, 90

Mechanized felling equipment and pre-bunching is allowed on
Slopes up to 45%.

Helicopter yarding required.

Contract Name: Pinney Slope Stewardship

K-G.4.2.2 - HELICOPTER LANDING LOCATION AND CONSTRUCTION (11/2006)

All helispots, heliports, support areas, and other helicopter landing areas shall be located and constructed only as approved by Forest Service in writing.

Those specified landing and service areas shown on Contract Area Map are approved and shall be constructed in accordance with plans and specifications attached hereto.

Landing areas other than those specified on Contract Area Map will be considered for approval under the following conditions:

A. The location and extent of landing area are staked on the ground. The extent or limits shall include the total area of excavation and fill, if any.

B. The clearing needed outside the constructed landing area needed for takeoffs and landings are flagged or otherwise designated.

C. Plans are made to dispose of clearing and landing construction slash and debris.

Landing areas shall be constructed and rock surfaced, if necessary, in such a manner that helicopters, log handling equipment, and service or support equipment are fully supported during Normal Operating Season.

K-G.4.5# - PROTECTION FROM IPS BUILDUP (11/2006)

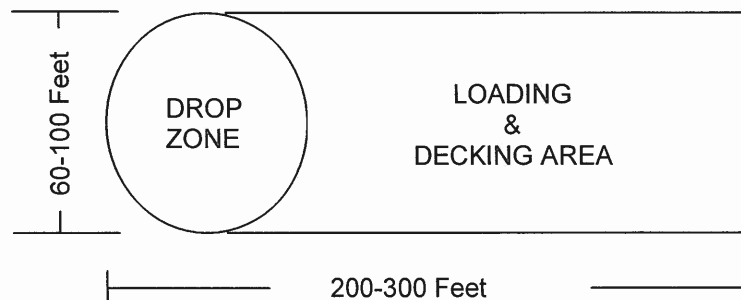
Unless permitted in writing by the Forest Service, there shall be no felling or bucking of Ponderosa Pine within Units All on Contract Area Map during the period December 1 to June 30. If written permission is granted, it may be conditioned upon a requirement that the Contractor provide a continuous food chain of green Ponderosa Pine material, logs, and slash during the period July 1 to September 15, following the cutting. Forest Service may allow periodic removal of logs from this chain of green material. Such green material shall be provided from periodic cutting or tree felling operations from Included Timber within the cutting units, or where such material is inadequate or not available, green material may be provided by the thinning of non-included trees within contract area upon approval by the Forest Service. If the Forest Service determines it necessary, it may direct the order and location of cutting to provide the necessary green material.

K-G.4.2.2 – HELICOPTER LANDING LOCATION AND CONSTRUCTION "Plans and Specifications"

Safety Zone minimum distance from Drop Zone is 1 ½ times the longest log being delivered



Helicopter logging slash shall be piled outside the Drop Zone, Landing and Decking area, Safety Zone, and it's access.



CONSTRUCTION AND RECLAMATION SPECIFICATIONS FOR ALL LANDINGS

The grade of the helicopter landing shall be sloped to drain from 3 to 6 percent.

All roads are to remain open and passable by vehicle traffic

Helicopter landing construction and logging slash, limbs, logs and stumps shall be piled, burned and residual material buried or removed from US Forest Service Land by the Purchaser.

Final reclamation of the helicopter landings shall follow guideline in K-F.3.4#. The seed mix shall be the same as specified in K-G.6.0.2#. The seed and straw shall be certified by the supplier and the State of Idaho as being noxious weed free.

Contract Name: Pinney Slope Stewardship

K-G.5.0# - STREAMSIDE MANAGEMENT ZONES (11/2006)

A Streamside Management Zone (SMZ) is a zone that contains riparian vegetation and other special characteristics. Areas identified as Streamside Management Zones (SMZ's) are shown on the Contract Area Map and designated by exclusion.

Timber designation, conduct of logging, and/or slash treatment may differ in the SMZ from the rest of the unit. Unless otherwise agreed to in writing and notwithstanding the contract requirements otherwise applicable to each cutting unit, the following special requirements apply to the SMZ of the cutting units specified below:

See Streamside Management Zone Table

K-G.5.0# - STREAMSIDE MANAGEMENT ZONES. (11/06)

Streamside Management

<u>Cutting Unit(s)</u>	<u>Zone Requirements</u>
All	<p>Intermittent Streams – SMZ consist of 130 feet slope distance from the ordinary highwater mark. No timber harvest or ground-based yarding allowed. Skidding across dry stream channels is permitted at 90⁰ angles per Forest Service approval. Road reconstruction and/or maintenance activities are allowed.</p> <p>Perennial Streams and Intermittent Streams providing seasonal spawning and rearing habitat – SMZ consist of 260 feet slope distance from the ordinary high water mark. No timber harvest or ground-based yarding allowed. Road reconstruction and/or maintenance activities are allowed.</p>

Contract Name: Pinney Slope Stewardship

K-G.6# - EROSION PREVENTION AND CONTROL (11/2006)

A. Contractor shall locate Temporary Roads on locations approved by the Forest Service. Such location shall include the marking of road centerline or grade-line and the setting of such construction stakes as are necessary to provide a suitable basis for economical construction and the protection of National Forest lands.

B. Skidding with tractors within 130 feet of intermittent and 260 feet of live streams shall not be permitted except in places designated in advance by Forest Service, and in no event shall skid roads be located in live or intermittent streamcourses. Skid trails shall be located high enough out of draws, swales, and valley bottoms to permit diversion of runoff water to natural undisturbed forest ground cover.

C. Prior to periods of accelerated water runoff, especially during the spring runoff and periods of heavy rainfall, Contractor shall inspect and open culverts and drainage structures, construct special cross ditches for road runoff, and take other reasonable measures needed to prevent soil erosion and siltation of streams.

D. Temporary Road surface width shall be limited to truck bunk width plus four (4) feet, except for needed turnouts which shall not exceed two (2) times the bunk width plus four (4) feet. If shovels or cranes with revolving carriage are used to skid or load, Temporary Road surface width equal to track width plus tail swing shall be permitted.

E. Unless otherwise agreed in writing, Contractor shall keep erosion control work current with his operations under the contract and in any case not later than 15 days after completion of skidding on each payment unit or cutting unit.

Contract Name: Pinney Slope Stewardship

K-G.6.0.1# - EROSION CONTROL SEEDING (11/2006)

Following completion of skidding and yarding operations in an area, Contractor shall seed and fertilize all exposed areas of raw soil which has been designated by the Forest Service on skid trails, landings, firebreaks, slides, slumps, Temporary Roads and traveled ways of Specified Roads N/A following closure specified in K-F.4.1#.

Soil on areas to be seeded shall be left in a roughened condition favorable to the retention and germination of the seed. Scarification of traveled ways on Specified Roads listed above shall be to a minimum depth of N/A inches and a maximum depth of N/A inches.

Seed and fertilizer shall be spread evenly at the rate of 11 pounds of seed and N/A pounds of fertilizer per acre.

When fertilizer and seed are applied in separate operations, the second operation shall be carried out within 72 hours of the first.

Seeding shall be done during the period August 16 to November 30 and under the above specified conditions unless otherwise approved.

The kinds and amounts of seed to be sown in terms of pure live seed (PLS) shall be:

See Seed Application Table

All seed purchased will be certified to be free of the noxious weed seeds from weeds listed on the current "All States Noxious Weeds List." Test results from a certified seed analyst and seed analysis labels attached to the bags will be provided to the Forest Service.

The following kinds and amounts of standard commercial fertilizer shall be used with guaranteed analysis of contents clearly marked on containers:

See Fertilizer Application Table

K-G.6.0.1# - EROSION CONTROL SEEDING. (11/06)

Seed Application Table

Species of Seed	PLS Pounds Per Acre
Slender Wheatgrass (<i>Elymus trachycaulus</i>) Pryor cultivar	4 (four) lbs./acre
Mountain brome grass (<i>Bromus marginatus</i>) Bromar cultivar	6 (six) lbs./acre
Western yarrow (<i>Achillea millifolium</i>)	1 (one) lb./acre

Fertilizer Application Table

Type of Fertilizer	Pounds Per Acre
N/A	

Contract Name: Pinney Slope Stewardship

K-G.6.0.2# - PROTECTION OF DISTURBED AREAS FROM ESTABLISHMENT OF NOXIOUS WEEDS (11/2006)

In addition to the requirements of K-G.6.0.1#; Contractor shall seed and fertilize areas where mineral soil is exposed as designated by the Forest Service.

Unless otherwise agreed to in writing, seeding shall be done in the early spring or fall during weather and moisture conditions favorable for quick germination and growth of the plants. Seeding shall be completed in a timely manner following the last disturbance activity by the Contractor in the disturbed area.

The Certified seed analysis reports from each container shall be provided by Contractor to the Forest Service prior to application of the seed. Seed and fertilizer shall be spread evenly at the rate of 11 pounds of seed and N/A pounds of fertilizer per acre.

When fertilizer and seed are applied in separate operations, the second operation shall be carried out within 72 hours of the first operation.

When an adequate seedbed does not exist, Contractor shall scarify to get a 2 inch loose soil seedbed, prior to seeding.

The kinds and amounts of seed to be sown in terms of pure live seed (PLS) shall be:

See Seed Application Table

All seed purchased will be certified to be free of the noxious weed seeds from weeds listed on the current "All States Noxious Weeds List." Test results from a certified seed analyst and seed analysis labels attached to the bags will be provided to the Forest Service.

The following kinds and amounts of standard commercial fertilizer shall be used with guaranteed analysis of contents clearly marked on containers:

See Fertilizer Application Table

K-G.6.0.2# - PROTECTION OF DISTURBED AREAS FROM ESTABLISHMENT OF NOXIOUS WEEDS.
(11/06)**Seed Application Table**

Species of Seed	PLS Pounds Per Acre
Slender Wheatgrass (<i>Elymus trachycaulus</i>) Pryor cultivar	4 (four) lbs./acre
Mountain brome grass (<i>Bromus marginatus</i>) Bromar cultivar	6 (six) lbs./acre
Western yarrow (<i>Achillea millifolium</i>)	1 (one) lb./acre

Fertilizer Application Table

Type of Fertilizer	Pounds Per Acre
N/A	

Contract Name: Pinney Slope Stewardship

K-G.7# - SLASH TREATMENT (11/2006)

Slash is defined as logs, tops, limbs, and other woody material, exclusive of stumps, which is created by the logging operation and remaining on the ground after logging. In areas where Contractor-created slash is intermingled and inseparable with pre-existing slash, slash disposal requirements shall apply to the pre-existing slash as well as the Contractor-created slash. Such areas are designated in the Contractor Slash Responsibility Table herein.

Slash created in the construction of Specified Roads shall not be considered as logging slash in this Section.

Unless otherwise agreed in writing, Contractor shall perform the following work described below and/or as shown on the Contract Area and/or Slash Disposal Map.

Forest Service and Contractor shall jointly develop a schedule for completion of slash treatment on the various portions of the contract area.

See Purchaser Slash Responsibility Table

K-G.7# - SLASH TREATMENT. (11/06)**Contractor's Slash Responsibility Table**

Description or Units	Type of Slash Disposal	Acres
All Landings	5 - Landing Clean Up - LC	All
Tractor/Off Road Jammer Units	1 - Whole Tree Yard – WTY 2 - Top Haulback - THB	197.4
Tractor/Off Road Jammer Units	1 - Whole Tree Yard – WTY	88.1
All Skyline	1 - Whole Tree Yard – WTY	761.3
All Helicopter Units	3 - Yard to 6" Top	640.7
All Units	4 - LOP to 36" - LOP	1687.5
Roads listed in K-F.3.1#, Maintenance tables with vegetative material to be removed.	6 - Clean System Roads	All
Temporary Road Construction	Refer to K-G.7.2# & T-807-1	4.06 Miles

Unit Number	Yarding System K-G.4.2#	Marking Designation LTM K-G.3.5.6#	Paint Color	Acres	Slash Disposal Table K-G.7#
46	TRAC/ORJ	LTM	Orange	14.8	WTY, LOP
47	SKY	LTM	Orange	32.8	WTY, LOP
48	HEL	LTM	Orange	12.4	Yd to 6" Top, LOP
49	SKY	LTM	Orange	19.4	WTY, LOP
50	SKY	LTM	Orange	13.6	WTY, LOP
51	TRAC/ORJ	LTM	Orange	9.5	WTY, THB, LOP
52	TRAC/ORJ	LTM	Orange	11.3	WTY, THB, LOP
53	SKY	LTM	Orange	5.9	WTY, LOP
54	SKY	LTM	Orange	17.2	WTY, LOP
55	TRAC/ORJ	LTM	Orange	37.8	WTY, THB, LOP
56	HEL	LTM	Orange	14.6	Yd to 6" Top, LOP
57	SKY	LTM	Orange	17.6	WTY, LOP
58	SKY	LTM	Orange	7.8	WTY, LOP
59	SKY	LTM	Orange	6.3	WTY, LOP
60	SKY	LTM	Orange	39.9	WTY, LOP
61	HEL	LTM	Orange	76.2	Yd to 6" Top, LOP
62	HEL	LTM	Orange	86.9	Yd to 6" Top, LOP
63	HEL	LTM	Orange	44.7	Yd to 6" Top, LOP
64	SKY	LTM	Orange	41.9	WTY, LOP
65	HEL	LTM	Orange	35.6	Yd to 6" Top, LOP
66	SKY	LTM	Orange	38.8	WTY, LOP
67	TRAC/ORJ	LTM	Orange	60.8	WTY, THB, LOP
68	TRAC/ORJ	LTM	Orange	7.1	WTY, THB, LOP
69	TRAC/ORJ	LTM	Orange	65.2	WTY, THB, LOP
70	SKY	LTM	Orange	48	WTY, LOP
71	SKY	LTM	Orange	43	WTY, LOP

72	TRAC/ORJ	LTM	Orange	5.7	WTY, THB, LOP
73	SKY	LTM	Orange	25.8	WTY, LOP
74	SKY	LTM	Orange	30.6	WTY, LOP
75	SKY	LTM	Orange	21.7	WTY, LOP
76	SKY	LTM	Orange	12.3	WTY, LOP
77	TRAC/ORJ	LTM	Orange	10.7	WTY, LOP
78	SKY	LTM	Orange	121.3	WTY, LOP
79	SKY	LTM	Orange	116.1	WTY, LOP
80	HEL	LTM	Orange	48.1	Yd to 6" Top, LOP
81	HEL	LTM	Orange	117.1	Yd to 6" Top, LOP
82	HEL	LTM	Orange	29.3	Yd to 6" Top, LOP
83	HEL	LTM	Orange	23.8	Yd to 6" Top, LOP
84	HEL	LTM	Orange	26.9	Yd to 6" Top, LOP
85	SKY	LTM	Orange	40.1	WTY, LOP
86	HEL	LTM	Orange	70.1	Yd to 6" Top, LOP
87	SKY	LTM	Orange	7	WTY, LOP
88	TRAC/ORJ	LTM	Orange	58.2	WTY, LOP
89	HEL	LTM	Orange	37.8	Yd to 6" Top, LOP
90	HEL	LTM	Orange	17.2	Yd to 6" Top, LOP
91	SKY	LTM	Orange	54.2	WTY, LOP
92	TRAC/ORJ	LTM	Orange	4.4	WTY, LOP
All Landings	All		N/A		LC

TRAC/ORJ – Tractor/Off Road Jammer
 SKY - Skyline
 HEL - Helicopter

WTY = Whole Tree Yard
 LOP = Lop to 36"
 THB = Top Haulback
 Yd = Yard to 6" Top
 LC = Landing Clean Up

1. Whole Tree Yard

Units: 46, 47, 49-55, 57-60, 64, 66-79, 85, 87, 88, 91, 92

Contractor shall leave tops and limbs of all felled trees attached to Included Timber and yard them to landings. Limbs greater than 3 inches in diameter may have to be lopped where the tree falls if damage, during skidding, to the residual stand is occurring due to large limbs being left on skidded trees.

Tops and limbs which are lost on the way to the landing site due to normal felling, skidding and/or yarding operations are not required to be yarded and will be lopped to 36 inches as described below in item 4.

2. Top Haulback

Units: 51, 52, 55, 67-69, 72

Contractor shall return all tops with large end diameters less than 6 inches DIB (diameter inside bark) that do not meet utilization specifications in section A.2 of the contract to the cutting unit from which they were yarded and disperse them evenly in skid trails, skid roads, or where agreed to by the Forest Service. Contractor shall lop the limbs and tops of all included timber that has been damaged, felled, or pushed over during harvesting activities and still exceeds the maximum slash depth of 36 inches in height above the ground. Slash concentrations shall not exceed 36 inches in depth.

3. Yard to 6 inch Top & Lop Top to 36"

Units: 48, 56, 61-63, 80-84, 86, 89, 90

In units specified as **Yard to 6 inch Top & Lop Top to 36"** in the above table, trees will be yarded to a **6** inch top, unyarded tops shall be limbed and lopped. Contractor shall cut limbs from at least **3** sides of all included timber. Limbing shall be done to a **6** inch top, and the top severed at that point. Limbs cut from the top shall not extend over **36** inches in height above the ground. Contractor shall lop the limbs and tops of all included timber that has been damaged, felled, or pushed over during harvesting activities and still exceeds the maximum slash depth of **36** inches in height above the ground. Slash depth from the ground shall not exceed **36** inches.

4. Lop to 36"

Units: All

On the entire area of the applicable unit specified as **Lop to 36"** in the above table. Contractor shall lop the limbs and tops of all included timber that has been damaged, felled, or pushed over during harvesting activities and still exceeds the maximum slash depth of **36** inches in height above the ground. Slash depth from the ground shall not exceed **36** inches.

5. Landing Cleanup**All Skyline and Helicopter Units:**

Contractor shall de-limb and deck separately logs and pieces not meeting the utilization specifications in A.2 that have a minimum scale of 4 CF.

Tractor/Off Road Jammer Units:

Contractor shall Deck separately logs and pieces not meeting the utilization specifications in A.2 that have a minimum scale of 4 CF.

The above material is defined as all un-merchantable logs, limbs, and other woody material created from landing construction and log processing activities. In Tractor/Off Road Jammer units specified for Top Haulback, Contractor shall pile landings after the top haulback is completed. Slash cleanup will be specific to all landing locations.

Piles shall be reasonably compact and free of soil to facilitate burning. Pile will not be less than **4** feet in height. Piles shall not be more than **40** feet long. Piles shall be of a size and location that will not impair road use. Piles shall be located to minimize scorching to the surrounding residual stand. All piles should have a good base to prevent the pile from toppling. All pieces extending more than **4** feet from the pile should be lopped off and returned to the pile.

6. Clean System Roads

Contractor shall dispose of all logging slash **3** inches in diameter on the large end and **36** inches in length which is created within the clearing limits of system roads. Slash shall be piled for later burning within the right-of-way clearing unless an alternate method of slash disposal is agreed to in writing. Piles shall be reasonably compact and free of soil to facilitate burning. Piles shall be of a size and location which will not impair road use. Piles shall be a minimum of twice their diameter from any residual timber. Piles can be made by machine or hand. Slash and debris may be scattered in those situations where the volume of slash or residual slash is relatively light and the adjacent stands of timber are sufficiently open to accommodate the scattering without damage as determined by the Forest Service.

K-G.7.1 - CHANGE IN SLASH TREATMENTS (11/2006)

Slash treatment measures required in K-G.7# may be changed upon written agreement. The Forest Service shall determine the current cost of performing the work to be deleted and the work to be added. When the cost of work deleted exceeds the cost of work added, the agreement shall provide for a lump sum payment to the Forest Service for the amount of the difference. When the cost of work added exceeds the cost of work deleted, the change may be made only if the Contractor agrees to making the change with no cost adjustment.

K-G.7.2# - TEMPORARY ROAD CONSTRUCTION SLASH DISPOSAL (11/2006)

Slash treatment methods of Temporary Road slash shall be agreed to in writing prior to construction. Temporary Road slash shall be treated in accordance with the following:

- A. All timber within the road clearing limits which contains a product meeting the minimum piece specifications stated in A.2 shall be felled (not pushed over) and bucked in advance of road construction. All timber shall be felled within the clearing limits whenever it is feasible to do so.
- B. Timber within the clearing limits not meeting minimum piece specifications in A.2 and other debris from the clearing and grubbing operations more than 3 inches in diameter and 3 feet in length shall either be (a) utilized and removed from Contract Area, (b) burned within the right-of-way, (c) removed to designated locations shown on Contract Area Map for burying or later burning, (d) buried, (e) processed through a chipping machine, (f) scattered in such a manner as to avoid concentrations of slash and without damaging other trees or resource values, (g) windrowed (h) decked, or (i) a combination thereof.
- C. All material to be treated or disposed of shall be bucked into lengths not to exceed 6 feet before being piled or buried.
- D. If debris is to be burned, burning shall be complete and shall be done at such times and in a manner approved in writing by Forest Service. Residual construction slash from burning shall be buried, scattered or removed to agreed locations.
- E. Debris to be buried shall be placed in prepared holes, benches, or trenches at agreed locations and covered with not less than 2 feet of native soil or rock. Slash and debris may be buried in the roadway providing hauling can be supported and providing there is little probability or hazard of slope failure.
- F. If debris is to be chipped, the chips shall be spread over the surface of the ground in such a manner that their loose depth does not exceed 4 inches. Chips may be mixed with soil within roadway.
- G. Slash and debris may be scattered in those situations where the volume of slash or residual slash is relatively light and the adjacent stands of timber are sufficiently open to accommodate the scattering without damage.
- H. When slash is to be windrowed, the windrow area shall be cleared. Windrows shall be placed parallel to and along the embankment toe. Windrows shall not be placed against trees.
- I. If material is decked, logs not meeting Utilization Standards that are 6 inches or more in diameter shall be bucked into lengths not to exceed 32 feet and piled at agreed locations.

Contract Name: Pinney Slope Stewardship

K-G.8.2.4# - SCALING AS PRESENTED - CONTRACT BY WEIGHT (11/2006)

Notwithstanding criteria in G.8.2, all material presented for measurement will be weighed and paid for at rates listed in A.4 on a predetermined weight factor of 56.32 pounds per cubic foot for All Species and N/A pounds per cubic foot for N/A.

In the event any live products are severed from the stump for a period of 90 days or more without being weighed, the Forest Service, at its discretion, may 100 percent sample, sample load scale, sample weight scale, or use any other valid and acceptable method to determine the volume. Contractor shall bear any additional scaling costs as a result of the delay in removing the products.

K-G.8.3# - PRODUCT ACCOUNTABILITY (11/2006)

The following requirements are applicable to Product Removal Permits:

1. Forest Service will issue to Contractor or designated representative(s) serially numbered Product Removal Permit books for use only on this contract. Product Removal Permit books, whether used or unused, shall be accountable property of Forest Service and shall be returned to issuing Ranger District in accordance with the instructions contained on the cover of each book. Each Product Removal Permit which is not returned will be considered a lost load and charged for as described in G.8.5 or G.8.5.1, as appropriate.
2. Contractor shall require all permits be filled out in ink, and otherwise completed, by an individual named in writing, showing the date loaded, contract brand, contract name, and destination where products will be unloaded. On the Load Permit, the month, day, and time the truck is loaded shall be punched out. Each permit will then be attached to the load in accordance with instructions on the inside cover of the Product Removal Permit book. Products will not be hauled from the Contract Area without the Load Permit attached to the load.
3. Before products are hauled, the truck driver must sign the Woods Permit in ink using legal signature.
4. Each load will have the last three digits of the load receipt number painted on both ends of three logs with red paint. All loads that consist of a truck and pup(s) must have the last three digits of the load receipt painted on both ends of three logs on all subunits of the combination.

K-G.8.5.2 - WEIGHT OF LOST LOADS (11/2006)

If weight is the unit of measure, Contractor shall present all loads for weighing and shall furnish a ticket from a certified scales for each such load. If no weight ticket is furnished for such load(s), the weight of such load(s) shall be deemed equal to the weight of the heaviest load presented during the billing period, as established by the Forest Service.

Contract Name: Pinney Slope Stewardship

K-G.8.5.3 - LOADS ALTERED IN ROUTE (11/2006)

Loads of logs which are altered as a result of compliance with State Department of Transportation weight laws will be considered a non-verified load unless a Forest Service representative can verify the overweight load was totally delivered to the scaling site. If the load is verified by the Forest Service it may be processed through the normal sample selection process.

Unless otherwise agreed to, off-loaded logs will not be stored at the weigh station site. Off-loaded logs will be delivered immediately to the designated scaling site.

Logs will be off-loaded onto an empty truck and will have a log load removal receipt attached before proceeding from the weigh station. If logs are off-loaded onto another load of logs, both loads will be considered non-verified loads.

Since non-verified loads will be larger than the largest load in the sample in any given billing period, Contractor agrees to pay an amount equivalent to and in addition to the amount payable at Current Contract Rates.

Contractor is required to notify the Forest Service before off-loading of logs occurs.

K-G.9# - STEWARDSHIP PROJECTS (09/2004)

Performance of stewardship projects shall be in accordance with the following specifications.

Stewardship Projects

K-G.9# – STEWARDSHIP PROJECTS. (9/04) Performance of stewardship projects shall be in accordance with the following specifications:

Project #	Priority #	Item/Unit #	Mandatory Stewardship Projects	Miles
1	1	693X	Snow Groomer Route Stabilization	0.26
2	1	693B	Aggregate Surfacing, Station 5+10 to 20+00, 280CY	0.28
3	1	693B	Aggregate Surfacing, Station 99+25 to 102+65, 70CY	0.06
4	1	693B	Aggregate Surfacing, Station 115+25 to 122+50, 140CY	0.14
5	1	693B	Aggregate Surfacing, Station 128+50 to 131+40, 60CY	0.06

Project #	Priority #	Item/Unit #	Optional Stewardship Projects	Miles
6	2	693B	Aggregate Surfacing, Station 30+25 to 98+00, 1,260CY	1.28
				Acres
7	3	47	Worthless Tree Felling (WTF)	32.8
8	3	48	Worthless Tree Felling (WTF)	12.4
9	3	49	Worthless Tree Felling (WTF)	19.4
10	4	50	Worthless Tree Felling (WTF)	13.6
11	4	51	Worthless Tree Felling (WTF)	9.5
12	4	52	Worthless Tree Felling (WTF)	11.3
13	4	53	Worthless Tree Felling (WTF)	5.9
14	4	54	Worthless Tree Felling (WTF)	17.2
15	4	55	Worthless Tree Felling (WTF)	37.8
16	5	56	Worthless Tree Felling (WTF)	14.6
17	5	57	Worthless Tree Felling (WTF)	17.6
18	5	60	Worthless Tree Felling (WTF)	39.9
19	6	58	Worthless Tree Felling (WTF)	7.8
20	6	59	Worthless Tree Felling (WTF)	6.3
21	6	70	Worthless Tree Felling (WTF)	48.0
22	6	68	Worthless Tree Felling (WTF)	7.1
23	6	67	Worthless Tree Felling (WTF)	60.8
24	6	69	Worthless Tree Felling (WTF)	65.2
25	6	71	Worthless Tree Felling (WTF)	43.0
26	6	72	Worthless Tree Felling (WTF)	5.7
27	6	73	Worthless Tree Felling (WTF)	25.8
28	7	77	Worthless Tree Felling (WTF)	10.7
29	7	78	Worthless Tree Felling (WTF)	121.3
30	7	46	Worthless Tree Felling (WTF)	14.8
31	7	88	Worthless Tree Felling (WTF)	52.8
32	7	92	Worthless Tree Felling (WTF)	4.4
33	7	91	Worthless Tree Felling (WTF)	54.2
34	7	66	Worthless Tree Felling (WTF)	38.8
35	7	64	Worthless Tree Felling (WTF)	41.9
36	7	87	Worthless Tree Felling (WTF)	7.0
37	8	74	Worthless Tree Felling (WTF)	30.6
38	8	75	Worthless Tree Felling (WTF)	21.7
39	8	76	Worthless Tree Felling (WTF)	12.3
40	8	79	Worthless Tree Felling (WTF)	116.1
41	8	85	Worthless Tree Felling (WTF)	40.1
42	9	83	Worthless Tree Felling (WTF)	23.8
43	9	85	Worthless Tree Felling (WTF)	26.9
44	9	86	Worthless Tree Felling (WTF)	70.1

45	10	65	Worthless Tree Felling (WTF)	35.6
46	10	89	Worthless Tree Felling (WTF)	37.8
47	10	90	Worthless Tree Felling (WTF)	17.2
48	11	80	Worthless Tree Felling (WTF)	48.1
49	11	81	Worthless Tree Felling (WTF)	117.1
50	11	82	Worthless Tree Felling (WTF)	29.3
51	12	63	Worthless Tree Felling (WTF)	44.7
52	12	62	Worthless Tree Felling (WTF)	86.9
53	12	61	Worthless Tree Felling (WTF)	76.2

Mandatory Stewardship Projects

Project #1 – Snow Groomer Route Stabilization: Description/Specifications/Work Statement

A - Snow Groomer Route Stabilization Goals and Desired Conditions

The desired end result of this work is a stable roadbed for the snow groomer route.

B - Scope of Service Work

Service work requires snow groomer route stabilization on the Emmett Ranger District within the Boise National Forest. The location of the contract work is shown on the Stewardship Projects Map.

The Contractor shall furnish all labor, equipment, supervision, transportation, supplies, and incidentals to perform all work necessary on the areas specified. All aspects of the work program shall be performed in an organized, systematic manner to assure services will be performed over the entire unit.

Work consists of snow groomer route stabilization on .26 miles of road; this includes furnishing all labor, equipment, supervision, transportation, supplies, and incidentals.

C - Schedule of Operations

Unless otherwise agreed in writing, the Contractor shall perform snow groomer route stabilization work Monday through Friday, excluding Legal Holidays.

D - Technical Requirements and Obligations of the Contractor

D.1 Before work begins, the Contractor shall designate, in writing, the person, or persons who shall represent the Contractor during any absence from the project site. In the designation, the Contractor shall describe the areas of responsibility assigned to the representative. Designated representative(s) shall be fully conversant in the English language, and shall be able to fully communicate with all parties.

D.2 The Contractor is responsible for the security of all stored material.

D.3 The Contractor shall prepare a Technical Proposal that demonstrates that work will be completed within the performance period described in DELIVERIES OR PERFORMANCE. The Contractor shall provide a general plan with the technical proposal.

The Contractor shall advise the sale administrator of any periods that the Contractor will not be working that is not specified in the accepted Technical Proposal.

The Contractor may update the Technical Proposal only by agreement with Contracting Officer.

E - Fire Control

Contractor's Responsibility for Contractor-Caused Fires- The Contractor, whether or not directed by the Forest Service, shall immediately extinguish, without expense to the Government, all fires on or in the vicinity of the project which are caused by Contractor's employees, whether set directly or indirectly as a result of Contractor operations. The Contractor may be held liable for all damages and costs of additional labor, subsistence, equipment, supplies, and transportation resulting from fires set or caused by the Contractor's employees or resulting from contract operations up to \$50,000.

Other Fires- For the purpose of fighting forest fires on or in the vicinity of the project which are not caused by the Contractor or his employees, the Contractor when requested by the Forest Service Representative shall place his employees and equipment temporarily at the disposal of the Forest Service. Payment for such services will be made by the Government at not less than the current rate for firefighting services established by the Forest Service in the area concerned.

Any employees and equipment furnished will be relieved from firefighting as soon as the Forest Service finds that it is practicable to employ other labor and equipment adequate for the protection of the area.

An equitable adjustment in contract time may be made for this period.

Fire Protection Requirements - Fire Plan- At all times during closed fire season period, as specified by State law, the Contractor shall comply with each of the provisions of K-H.2.0 to the extent applicable to his operation under the contract.

F - Camping and Worksite Conditions

The Contractor shall obtain a camping permit from the Sale Administrator prior to camping on Forest Service land. Final payment shall be withheld until the authorized camping area has been cleaned up to the requirements of the Camping Permit.

If the Contractor does not obtain a camping permit but requires his/her employees to obtain the camping permit, the Contractor remains responsible for campsite clean-up and his/her employees conduct while camping on National Forest land.

Contractor Information: The Contractor shall abide by the OSHA's Field Sanitation Standard Fact Sheet No. OSHA 92-25, which applies to agricultural establishments hiring 11 or more workers for hand labor.

G - Snow Groomer Route Stabilization Technical Specifications

Snow groomer route stabilization shall be accomplished as detailed in plans and drawings in Appendix K.1-693X Snow Trail.

H – Inspection and Acceptance

H.1 Inspection: QUALITY ASSURANCE: The Government will make periodic visual inspection of the work to determine adherence to the technical specifications. The visual inspection will determine if the work passes or fails.

QUALITY CONTROL: The Contractor bears the responsibility for quality control. The Contractor or designated representative is encouraged to attend/observe inspections and will receive inspection summaries.

H.2 Acceptance: Nonconformance with any of the technical specifications as detailed in plans and drawings supplied in Appendix K.1-693X Snow Trail shall classify the work as unsatisfactory and rework is required to bring work up to specification standards.

H.3 Rework and Re-inspection

If original inspection results are unacceptable to the Contractor and a second inspection is requested without rework, the same inspection procedure shall be used. However, the Contracting Officer or representative designated by the CO will do the re-inspection. If the second inspection does not differ from the first inspection, the Contractor shall pay the cost of the second inspection, and the result of the first inspection shall be used. Re-work of unsatisfactory items will be required for payment.

Requests for re-inspection must be made in writing within 5 calendar days.

I – Deliveries or Performance

The Contractor shall maintain progress at a rate that will assure completion consistent with the completion date in the technical proposal and prior to termination date on the contract.

J – Stewardship Credits

J.1 Stewardship Credits

Stewardship Credits (E.2.2) are credits that are earned and established when work listed in K-G.9# and the Summary Information Chart has been performed and accepted. (Refer to E.2.2.1, E.2.2.2, E.2.2.3, E.2.2.4 for additional information pertaining to Stewardship Credits).

J.2 Stewardship Credit Determination

After inspection of a completed item, the Government will calculate the Stewardship credit earned. The credit will be calculated by multiplying the number of miles of accepted snow groomer route stabilization times the stewardship credit price per mile. Credits shall be awarded on an **accepted completed item basis only**, unless otherwise approved in writing by the Contracting Officer.

K – List of Documents, Exhibits and Attachments for Snow Groomer Route Stabilization.

Appendix K.1 – Schedule of Items
Appendix K.2 - 693X Snow Trail (2 sheets)
FSSS for Pinney Slope Stewardship

SCHEDULE OF ITEMS

Project Name: Pinney Slope

Estimated Road

Construction Cost: \$17,386

Road Number: 693X Approved By: _____

Road Name: Eastside Spur

Cash Contribution: _____

Reconstruction

Date: _____

Cash Supplementation _____

Item No.	Description	Unit	Quantity	Est. Road Construction Cost	
				Unit Cost	Total
15101	Mobilization	Lump Sum	1	\$378	\$378
20103*	Clearing and Grubbing, Slash	Mile	0.26	\$400	\$104
20402*	Roadway Excavation,	Mile	0.26	\$1,100	\$286
20426	Grade dips	Each	11	\$180	\$1,980
30322A*	Road Reconditioning,	Mile	0.26	\$800	\$208
32232B*	Haul and Place Stockpiled Aggregate(Government	Cubic Yard	245	\$54	\$13,230
60265A	Install road closure device	Each	1	\$1,200	\$1,200

Note: * next to an Item Number above indicates that the quantity shown is a Contract
Quantity per FP-03

**Next 2 pages for 693X Snow Trail plans and drawings,
then add the signed schedule of items pages**

Project #2 – Project #5 – 693 B Aggregate Surfacing

A – Aggregate Surfacing Goals and Desired Conditions

The desired end result of this work is the placement of aggregate surfacing on native surface roadbed to reduce sedimentation within the Scriver Creek subwatershed.

B - Scope of Service Work

Service work requires aggregate surfacing on the Emmett Ranger District within the Boise National Forest. The location of the contract work is shown on the Stewardship Projects Map.

The Contractor shall furnish all labor, equipment, supervision, transportation, supplies, and incidentals to perform all work necessary on the areas specified. All aspects of the work program shall be performed in an organized, systematic manner to assure services will be performed over the entire project.

Work consists of aggregate surfacing on 0.54 miles of road; this includes furnishing all labor, equipment, supervision, transportation, supplies, and incidentals.

C - Schedule of Operations

Unless otherwise agreed in writing, the Contractor shall perform aggregate surfacing work Monday through Friday, excluding Legal Holidays.

D - Technical Requirements and Obligations of the Contractor

D.1 Before work begins, the Contractor shall designate, in writing, the person, or persons who shall represent the Contractor during any absence from the project site. In the designation, the Contractor shall describe the areas of responsibility assigned to the representative. Designated representative(s) shall be fully conversant in the English language, and shall be able to fully communicate with all parties.

D.2 The Contractor is responsible for the security of all stored material.

D.3 The Contractor shall prepare a Technical Proposal that demonstrates that work will be completed within the performance period described in DELIVERIES OR PERFORMANCE. The Contractor shall provide a general plan with the technical proposal.

The Contractor shall advise the sale administrator of any periods that the Contractor will not be working that is not specified in the accepted Technical Proposal.

The Contractor may update the Technical Proposal only by agreement with Contracting Officer.

E - Fire Control

Contractor's Responsibility for Contractor-Caused Fires - The Contractor, whether or not directed by the Forest Service, shall immediately extinguish, without expense to the Government, all fires on or in the vicinity of the project which are caused by Contractor's employees, whether set directly or indirectly as a result of Contractor operations. The Contractor may be held liable for all damages and costs of additional labor, subsistence, equipment, supplies, and transportation resulting from fires set or caused by the Contractor's employees or resulting from contract operations up to \$50,000.

Other Fires - For the purpose of fighting forest fires on or in the vicinity of the project which are not caused by the Contractor or his employees, the Contractor when requested by the Forest Service Repre

sentative shall place his employees and equipment temporarily at the disposal of the Forest Service. Payment for such services will be made by the Government at not less than the current rate for fire-fighting services established by the Forest Service in the area concerned.

Any employees and equipment furnished will be relieved from firefighting as soon as the Forest Service finds that it is practicable to employ other labor and equipment adequate for the protection of the area.

An equitable adjustment in contract time may be made for this period.

Fire Protection Requirements - Fire Plan- At all times during closed fire season period, as specified by State law, the Contractor shall comply with each of the provisions of K-H.2.0 to the extent applicable to his operation under the contract.

F - Camping and Worksite Conditions

The Contractor shall obtain a camping permit from the Sale Administrator prior to camping on Forest Service land. Final payment shall be withheld until the authorized camping area has been cleaned up to the requirements of the Camping Permit.

If the Contractor does not obtain a camping permit but requires his/her employees to obtain the camping permit, the Contractor remains responsible for campsite clean-up and his/her employees conduct while camping on National Forest land.

Contractor Information: The Contractor shall abide by the OSHA's Field Sanitation Standard Fact Sheet No. OSHA 92-25, which applies to agricultural establishments hiring 11 or more workers for hand labor.

G – Aggregate Surfacing Technical Specifications

Aggregate surfacing shall be accomplished as detailed in plans and drawings in Appendix K.1 - Aggregate Placement Worksheet.

H – Inspection and Acceptance

H.1 Inspection: QUALITY ASSURANCE: The Government will make periodic visual inspection of the work to determine adherence to the technical specifications. The visual inspection will determine if the work passes or fails.

QUALITY CONTROL: The Contractor bears the responsibility for quality control. The Contractor or designated representative is encouraged to attend/observe inspections and will receive inspection summaries.

H.2 Acceptance: Nonconformance with any of the technical specifications as detailed in plans and drawings supplied in Appendix K.1 – Aggregate Placement Worksheet shall classify the work as unsatisfactory and rework is required to bring work up to specification standards.

H.3 Rework and Re-inspection

If original inspection results are unacceptable to the Contractor and a second inspection is requested without rework, the same inspection procedure shall be used. However, the Contracting Officer or representative designated by the CO will do the re-inspection. If the second inspection does not differ from the first inspection, the Contractor shall pay the cost of the second inspection, and the result of the first inspection shall be used. Re-work of unsatisfactory items will be required for payment.

Requests for re-inspection must be made in writing within 5 calendar days.

I – Deliveries or Performance

The Contractor shall maintain progress at a rate that will assure completion consistent with the completion date in the technical proposal and prior to termination date on the contract.

J – Stewardship Credits

J.1 Stewardship Credits

Stewardship Credits (E.2.2) are credits that are earned and established when work listed in K-G.9# and the Summary Information Chart has been performed and accepted. (Refer to E.2.2.1, E.2.2.2, E.2.2.3, E.2.2.4 for additional information pertaining to Stewardship Credits).

J.2 Stewardship Credit Determination

After inspection of a completed item, the Government will calculate the Stewardship credit earned. The credit will be calculated by multiplying the number of miles of accepted aggregate surfacing times the stewardship credit price per mile. Credits shall be awarded on an **accepted completed item basis only**, unless otherwise approved in writing by the Contracting Officer.

K – List of Documents, Exhibits and Attachments for 693B Aggregate Surfacing.

K.1 – Aggregate Placement Worksheet

A.7 -Specified Road List, 693B

FSSS for Pinney Slope Stewardship; #322 Minor Aggregate Courses

Optional Stewardship Projects

Project #6 - 693 B Aggregate Surfacing, Station 30+25 to 98+00, 1,260 CY, See mandatory stew project #2 – project #5 description above.

Project # 7- Project # 53 – Worthless Tree Felling Description/Specifications/Work Statement

A - Silvicultural Goals and Desired Condition

Reduce the occurrence of the true firs; grand fir and subalpine fir in the Scriver Creek Integrated Restoration Project. Retain sub-merchantable seral species such as western larch, ponderosa pine, Douglas-fir. The seral species shall remain clumped to offer horizontal and vertical structure and heterogeneity.

B - Scope of Service Work

Service work requires excess and undesirable tree felling on the Emmett Ranger District within the Boise National Forest. The location of the contract units are shown on the Stewardship Projects Map.

The Contractor shall furnish all labor, equipment, supervision, transportation, supplies, and incidentals to perform all work necessary on the areas specified. All aspects of the work program shall be performed in an organized, systematic manner to assure services will be performed over the entire unit.

C - Leave Tree Specifications

Leave trees shall generally be **ponderosa pine (PP) and Douglas-fir (DF)**. Incidental species to leave are Western larch, Engelmann spruce, lodgepole pine and aspen.

D - Cut Tree Specifications

D.1 All grand fir and subalpine fir existing in the unit that fall into the sub-merchantable (≤ 8 inches dbh) category will be cut.

Do not cut Western larch, whitebark pine, lodgepole pine, Engelmann spruce or aspen.

Additionally, sub-merchantable trees of all species (≤ 8 inches dbh) shall be cut if they occur within the dripline of retention, large ponderosa pine. A retention tree refers to a ponderosa pine that was selected by the marking crew and was saved in the harvest operations. A large ponderosa pine is any PP greater than or equal to 20 inches dbh.

Minimum tree size for thinning shall be 12 inches in height.

Ponderosa pine and Douglas-fir will only be cut if they meet the definition of cull (≤ 8 inches dbh). Cull trees have defect or deformity of a tree resulting from agents such as wind, snow, animals, insects, disease, and equipment and evidenced by such things as dead or broken tops or trunks, crooks, and deep scars or damage to the bark on more than $\frac{1}{4}$ of the circumference of the tree. Cutting of cull PP and DF will occur rarely.

D.2 Felling

Cut trees shall be felled away from the following: unit boundaries, roads, telephone lines, established trails, ATV/motorcycle trails, stock driveways, gates, established fire-breaks, fence lines, established land

corners, designated leave trees, drainage ditches, culverts, and perennial and intermittent streams. Any trees falling on such areas shall be removed per **slash treatment** below. Cut trees shall not be criss-crossed or jackstrawed when felled.

D.3 Stump Height

Trees shall be completely severed from the stump on a horizontal plane. Stump height shall not exceed 6 inches above ground level or 4 inches above natural obstacles. Diagonal cuts resulting in a sharp, pointed stump are unacceptable.

D.4 Removal of Live Limbs

All trees not reserved from cutting shall be cut below the lowest live limb, except when prevented by natural obstacles. When natural obstacles are found, all live limbs over 4 inches in length below the cutting point shall be removed.

G - Slash Treatment

G.1 Slash depth shall not exceed **36 inches** from the ground line to the highest limb. **This may require bucking** tree lengths, **lopping** limbs on three sides, **or scattering** slash to attain a 36-inch slash depth.

All slash shall be placed on or near the ground surface, so that it shall not lean against or be suspended by an uncut tree, stump, log, or any obstacle.

G.2 All slash created by operations performed under this contract which fall outside the unit boundaries shall be pulled back into the unit(s), unless otherwise authorized by the sale administrator.

Cut trees shall be directionally felled away from leave trees and groups. Felling into the surrounding open area will eliminate the accumulation of slash among the remaining trees.

G.3 All slash created by operations performed under this contract shall be removed from cutslopes and pulled back at least **5 feet** from top of roadcut displayed on the attached contract map.

G.4 All slash created by operations performed under this contract shall be removed at least **15 feet** above all culvert intakes.

H - Equipment Authorizations

H.1 Use of motorized equipment other than hand-held equipment such as power saws and brush cutters shall not be permitted off designated roads in the project area without prior approval of the Sale Administrator.

H.2 Work will not be permitted when, in the opinion of the sale administrator, excessive soil disturbance would result from equipment usage or road/trail damage would occur from vehicles gaining access to the project area.

H.3 The contractor shall not alter drainage or closure structures on spur roads and skid trails in the project area(s) without the prior written approval of the sale administrator. All alterations shall be repaired or replaced before the next winter/rainy season or completion of the contract, whichever occurs first.

I - Definitions

Access point - The point identified for access to TSI areas.

Acceptable (Stocking) Density - The number of trees between the minimum and maximum of trees per acre.

Aspen Clones - Areas where more than 20 individual aspen trees (> than 2 feet tall) are located adjacent to each other. Aspen trees not located within 15 feet of the rest of the group would not be considered "adjacent".

Bole - The main stem of a tree.

Buffer - A wide strip of uncut trees bordering streams or riparian zones.

Calendar Days - Every day shown on the calendar, Sundays and holidays included.

Canopy - The more or less continuous cover of leaves, needles, and/or branches formed by the crowns of adjacent trees or shrubs.

Co-dominant - Trees that form the general canopy level. Codominants are not as tall as dominants.

Conifer - A cone-bearing tree with needles.

Competition - The interaction between trees for the same scarce resources, i.e. water, nutrients, sunlight.

Contract Time - See Period of Performance.

Crook - A defect in trees, consisting of an abrupt curvature or bend.

Crown - That portion of a conifer tree which has branches.

Cull Tree - Those trees defined as Damaged and/or defined as Diseased or Damaged.

Cutslope - The slope immediately above a road that is cut during construction.

Cut tree - Trees designated to be removed from a stand.

Damage - Defect or deformity of a tree resulting from agents such as wind, snow, animals, insects, disease, and equipment and evidenced by such things as dead or broken tops or trunks, crooks, and deep scars or damage to the bark on more than 1/4 of the circumference of the tree.

Diameter at Breast Height (DBH) - The diameter of the trunk measure at a point 4-1/2 feet above the ground level on the uphill side of the tree.

Dominant tree - Tree whose crown extends above the general level of the main canopy; or in some cases, a tree whose canopy is above the main canopy of the tree's immediate neighbors, receiving full light from above.

Excess trees - Uncut trees that, according to specification, should have been cut. Trees not severed from the stump, hang-up trees, stumps with live limbs. When girdling or pruning is required, excess trees also includes trees not girdled or trees not pruned that, according to specification, should have been girdled or pruned.

Excessive Damage - Contractor-caused damage to leave trees in excess of contract specifications. Excessive damage will include damage to the bole of the tree where the wood is exposed, broken out tops, root damage as evidenced by lean or splitting of the bole, and any tree pushed out of the soil.

Existing slash - Debris created prior to work under this contract (both natural and as a result of previous operations).

Girdle - A cut through the bark and cambium tissue completely encircling the tree trunk for the purpose of killing the tree.

Hang-up tree - Any cut tree suspended more than 3 feet off the ground.

Harvest Inspector - The on-site inspector for Timber Sale Administration. Delegation of authorities are detailed in the letter of designation issued by the Sale Administrator or Forest Service Representative.

Intermediate - Trees that are definitely subordinate in position receiving direct sunlight only through holes in the canopy. All trees of this class are subject to strong lateral competition.

Internodal Growth - That portion of stem between the branch whorls or between the top branch whorl and the terminal bud.

Leave Trees - Any tree that is selected or required to be left standing according to requirements in Contractor Work Requirements and Standards.

Live limb - A limb of any size that has green needles attached.

Leave Trees - Any tree that is selected or required to be left standing as provided in the specifications.

Live Crown Ratio - The percentage of live crown (limbs) compared to total tree height.

Lopping - Cutting limbs and boles of trees to reduce depth of slash created by felled trees.

Minor Damage - Crooks in the trunk which are offset less than 3 inches from the long axis and within 13 feet of the ground, no forks, broken top, or bark damage extending more than one-fourth of the circumference of the tree.

Missing leave trees - Trees cut that should have been selected as a leave tree.

Period of Performance - (also Performance Period or Contract Time). The number of calendar days allowed in the contract for completion of contract work.

Phenotypic - The observable characteristics of a tree. The way a tree looks.

Preferred Tree - Desired tree species listed in order of preferred retention.

Pull-back - Pulling thinning slash, by hand methods, back into thinned unit to clear roadway

Quality Assurance - The actions taken by the Government to assess the results to determine that they meet contract requirements. The methods for quality assurance are described in the Quality Assurance Surveillance Plan (QASP).

Quality Control - Those actions taken by a Contractor to control the production of outputs to ensure that they conform to the contract requirements. The methods for inspecting for quality control are described in the Contractor's Quality Control Plan (QCP).

Relict Tree - A remnant or survivor tree from a previous stand, not always marked during the timber sale. These trees are usually, but not always, much larger than the trees intended to be thinned under this contract.

Retention Tree - A tree that was intentionally designated to be retained following the timber sale. These are typically larger diameter trees of a desirable species.

Riparian - Vegetation bordering watercourses, lakes, bogs, and seeps.

Roads - The area between the outside edges of the fillslope and backslope.

Shrub - A woody plant which usually does not usually grow higher than seven feet (i.e., brush).

Slash - Trunks of cut trees, and/or limbs created by the Contractor's operations.

Spacing - The horizontal distance from the trunk of one leave tree to the trunk of the next nearest leave tree. Average spacing is calculated from the leave trees per acre.

Sanitation - The felling, pruning, or girdling of disease infected or disease susceptible trees to protect residual trees from infection.

Stream course - The area along a stream with riparian vegetation and other riparian characteristics. Stream courses are noted on the project maps. They typically require special treatment, which may include alteration to the tree cutting, slash treatment, vehicle travel or fueling of saws.

Special Protection Area - A zone that has special characteristics such as riparian vegetation, wildlife calving areas, etc. Special protection areas are noted on the project maps and they may require special treatment such as an alteration to the tree cutting, slash treatment, vehicle travel or fueling of saws.

Terminal Leader - The part of the stem situated at the end of the tree, i.e., at the top.

Thinning - The removal of excess trees in order to accelerate growth on selected residual trees by reducing competition for soil moisture, nutrients, and sunlight.

Thinning slash - Debris created from work under this contract, including all cut trees and existing slash from blow downs etc., including the tops, trunks, and branches.

Unsatisfactory Tree - Cutting of a tree that fails to meet contract standards; includes but is not limited to:

- Cutting the wrong tree.
- Failing to cut a correct tree.
- Failure to completely sever a live limb, etc.
- Failure to prune a tree or pruning that is not in contract.
- Failure to girdle a tree that meets the specifications is also an unsatisfactory tree.
- Unsatisfactory trees are considered a deficiency or discrepancy in contract inspection.

J - Obligations of the Contractor

Before work begins, the Contractor shall designate, in writing, the person, or persons who shall represent the Contractor during any absence from the project site. In the designation, the Contractor shall describe

the areas of responsibility assigned to the representative. Designated representative(s) shall be fully conversant in the English language, and shall be able to fully communicate with all parties.

The Contractor, upon written request of the Contracting Officer, shall remove any operator or other worker who, in the opinion of the Contracting Officer, is unsafe or objectionable to the Government. The Contractor's employees shall exhibit safe working practices when performing all work, especially when felling trees.

The Contractor shall be responsible for any damage to existing structural improvements such as, but not limited to, water developments, fences, power lines, monument corners and landlines, bearing trees, road surfaces and/or drainage structures as a result of contract activities. The Contractor shall immediately restore any damage and gain confirmation from the CO that the repairs are satisfactory.

During the period from **January 1st** to **December 31st** when Contractor's Operations are in areas otherwise closed to motorized vehicles, Contractor shall not be permitted to hunt, transport hunters, discharge firearms, or transport big game animals with vehicles within the closed areas.

Riparian Areas

Any refueling or mechanical work on chainsaws shall not be done within 150 feet of any running or intermittent stream.

Work Plan and Schedule

The Contractor shall prepare a Technical Proposal that demonstrates that work will be completed within the performance period described in DELIVERIES OR PERFORMANCE. The Contractor shall provide a general plan with the technical proposal.

The Contractor shall advise the sale administrator of any periods that the Contractor will not be working that is not specified in the accepted Technical Proposal.

The Contractor may update the Technical Proposal only by agreement with Contracting Officer.

K - Fire Control

Contractor's Responsibility for Contractor-Caused Fires- The Contractor, whether or not directed by the Forest Service, shall immediately extinguish, without expense to the Government, all fires on or in the vicinity of the project which are caused by Contractor's employees, whether set directly or indirectly as a result of Contractor operations. The Contractor may be held liable for all damages and costs of additional labor, subsistence, equipment, supplies, and transportation resulting from fires set or caused by the Contractor's employees or resulting from contract operations.

Other Fires- For the purpose of fighting forest fires on or in the vicinity of the project which are not caused by the Contractor or his employees, the Contractor, when requested by the Forest Service Representative, shall place his employees and equipment temporarily at the disposal of the Forest Service. Payment for such services will be made by the Government at not less than the current rate for firefighting services established by the Forest Service in the area concerned.

Any employees and equipment furnished will be relieved from firefighting as soon as the Forest Service finds that it is practicable to employ other labor and equipment adequate for the protection of the area. An equitable adjustment in contract time may be made for this period.

Fire Protection Requirements - Fire Plan- At all times during closed fire season period, as specified by State law, the Contractor shall comply with each of the provisions of K-H.2.0 to the extent applicable to his operation under the contract.

L - Camping and Worksite Conditions

The Contractor shall obtain a camping permit from the Sale Administrator prior to camping on Forest Service land. Final payment shall be withheld until the authorized camping area has been cleaned up to the requirements of the Camping Permit.

If the Contractor does not obtain a camping permit but requires his/her employees to obtain the camping permit, the Contractor remains responsible for campsite clean-up and his/her employees conduct while camping on National Forest land.

Contractor Information: The Contractor shall abide by the OSHA's Field Sanitation Standard Fact Sheet No. OSHA 92-25, which applies to agricultural establishments hiring 11 or more workers for hand labor.

M – Inspection and Acceptance

M.1 Inspections

The Government will make periodic visual inspection of the entire unit to determine adherence to the specification. The visual inspection will determine if the unit fails or passes. If the visual inspection for worthless tree felling is deemed to pass, no plots will be taken. If the visual inspection indicates unsatisfactory work, then a series of plots, as outlined below, will be taken to determine the quality of the work performed. The Contractor or designated representative is encouraged to observe the inspection and will receive inspection summaries upon request.

Each unit as designated on the Stewardship Projects Map will be inspected as a separate unit and will not be averaged with any other area for acceptance or payment.

M.2 Inspection Plot Size and Sample

If visual inspection indicates that unit has failed, plots will be distributed across the unit in question. Each unit as designated on the Stewardship Projects Map will be inspected as a separate unit and will not be averaged with any other area for acceptance or payment. The inspections will be made of 1/100th acre plots on a systematic grid over the entire area on units where undesirable felling is specified. Sufficient plots will be taken to total at least 0.25 percent of the unit being inspected. This will constitute the **minimum** number of plots.

M.3 Inspection Quality Evaluation

If required, each plot shall be examined to record findings on the supplied Inspection Form (Section G, Attachment G.2, Inspection Form) for the items listed below:

All tree species on the plot meeting Cut Tree Specifications will be counted and recorded in column **Total trees/plot**. Record the number of cut trees in column **Cut trees/plot**. Any remaining uncut trees that meet the cutting specifications will also be counted and recorded in the column titled **Excess trees/plot**. To determine if individual plots pass or fails, divide the **Cut trees/plot** by **Total trees/plot** to get plot percentage. If average percentage for the unit is below 95%, unit will need to be reworked by cutting additional trees.

M.4 Rework and Re-Inspection

If the original inspection results are unacceptable to the Contractor and a second inspection is requested without rework, the same inspection procedure shall be used. However, the inspection pattern will be shifted to eliminate bias. If the second inspection shows less than 5 percent variance from the first inspection, the Contractor shall pay the cost of the second inspection, and the result of the first inspection shall be used in determining payment. Requests for re-inspection must be made in writing within 5 calendar days.

M.5 Acceptance of Slash Treatment

Acceptance for slash treatment shall be determined by a visual inspection of the treatment areas and shall be based on adherence to the specification for the felling slash treatment. Nonconformance with any of the specifications shall classify the treatment as unsatisfactory and rework is required to bring the treatment up to specification standards.

N – Deliveries or Performance

N.1 Contract Time

The Contractor shall maintain progress at a rate that will assure completion no later than one year after commercial timber harvest is finished

The Normal Operating season is defined as May 15 through November 15. Approval to operate outside the Normal Operating season must be approved by the Forest Service Representative.

O – Contract Administration Data

O.1 Measurement-The area to be thinned is stated in the Project Data Sheet. All linear and area measurements under this contract are measured on a horizontal plane within the established boundaries. Acreage for worthless tree felling units as described in A.4.3 and Project Data Sheet are the same as the commercial harvest units boundaries posted on the ground. These boundaries have been verified using GPS (geographical positioning system) methods. Contractor will be paid based on the Government's acreage estimates.

O.2 Re-measurement - The Contractor may at any time after award request re-measurement of any sub-item. The request must be in writing within 10 calendar days after completion of a unit or stewardship project. Re-measurement shall be made within established boundaries.

O.3 If re-measurement indicates a variance of 5 percent or less in the acreage stated in the Schedule of Items, there will be no adjustment in acres and the Contractor shall pay for the actual cost of re-measurement.

O.4 If re-measurement results in a variance greater than 5 percent in the acreage stated in the Schedule of Items, payment shall be based on the re-measured acreage and the Government shall pay for the re-measurement.

P – Stewardship Credits

P.1 Stewardship Credits

Stewardship Credits (E.2.2) are credits that are earned and established when work listed in K-G.9# has been performed and accepted. (Refer to E.2.2.1, E.2.2.2, E.2.2.3, E.2.2.4 for additional information pertaining to Stewardship Credits).

P.2 Stewardship Credit Determination

After inspection of completed acreage, the Government must calculate the Stewardship credit. The credit must be calculated by multiplying the number of acres times the stewardship credit price per acre when the quality of the thinning has passed or failed. Failure means thinning quality falls below 95%. If thinning falls below 95%, the the units will be reworked until thinning quality reaches 95%. At that time the units will "pass" as completed. Credits shall be awarded on a completed unit basis only, unless otherwise approved in writing by the Contracting Officer.

Q – Special Contract Requirements

Q.1 Pre-work Meeting

Prior to commencement of work, the Sale Administrator shall arrange a meeting with the Contractor to discuss the contract terms and work performance requirements. Also at this meeting, such things as work progress schedule and fire prevention and suppression plans shall be developed and established in writing.

R – List of Documents, Exhibits and other Attachments

List of Attachments

Appendix R.1- Project Data Sheet

Appendix R.2- Inspection Form

Appendix R.1 - Project Data Sheet

Timber Sale	Unit	Acres	Min. Cut Tree Height	Max slash depth
Pinney Slope	46	14.8	12"	36"
Pinney Slope	47	32.8	12"	36"
Pinney Slope	48	12.4	12"	36"
Pinney Slope	49	19.4	12"	36"
Pinney Slope	50	13.6	12"	36"
Pinney Slope	51	9.5	12"	36"
Pinney Slope	52	11.3	12"	36"
Pinney Slope	53	5.9	12"	36"
Pinney Slope	54	17.2	12"	36"
Pinney Slope	55	37.8	12"	36"
Pinney Slope	56	14.6	12"	36"
Pinney Slope	57	17.6	12"	36"
Pinney Slope	58	7.8	12"	36"
Pinney Slope	59	6.3	12"	36"
Pinney Slope	60	39.9	12"	36"
Pinney Slope	61	76.2	12"	36"
Pinney Slope	62	86.9	12"	36"
Pinney Slope	63	44.7	12"	36"
Pinney Slope	64	41.9	12"	36"
Pinney Slope	65	35.6	12"	36"
Pinney Slope	66	38.8	12"	36"
Pinney Slope	67	60.8	12"	36"
Pinney Slope	68	7.1	12"	36"
Pinney Slope	69	65.2	12"	36"
Pinney Slope	70	48	12"	36"
Pinney Slope	71	43	12"	36"
Pinney Slope	72	5.7	12"	36"
Pinney Slope	73	25.8	12"	36"
Pinney Slope	74	30.6	12"	36"
Pinney Slope	75	21.7	12"	36"
Pinney Slope	76	12.3	12"	36"
Pinney Slope	77	10.7	12"	36"
Pinney Slope	78	121.3	12"	36"
Pinney Slope	79	116.1	12"	36"
Pinney Slope	80	48.1	12"	36"
Pinney Slope	81	117.1	12"	36"
Pinney Slope	82	29.3	12"	36"
Pinney Slope	83	23.8	12"	36"
Pinney Slope	84	26.9	12"	36"
Pinney Slope	85	40.1	12"	36"
Pinney Slope	86	70.1	12"	36"
Pinney Slope	87	7	12"	36"
Pinney Slope	88	58.2	12"	36"
Pinney Slope	89	37.8	12"	36"
Pinney Slope	90	17.2	12"	36"
Pinney Slope	91	54.2	12"	36"
Pinney Slope	92	4.4	12"	36"

[illegible]

Contract Name: Pinney Slope Stewardship

K-H.2 - FIRE PRECAUTIONS (11/2006)

Specific fire precautions are as follows:

State Fire Laws. Where State laws provide specific requirements, these requirements must also be met.

Smoking and Lunch Fires. Contractor shall prohibit smoking and the building of fires by persons engaged in Contractor's Operations, except at established camps and shall enforce this prohibition by all means within Contractor's power. Forest Service may, on written request of Contractor, designate places where (1) campfires may be built for the purpose of heating lunches or (2) smoking may be permitted. Such designated places shall be cleared of flammable material to mineral soil prior to use.

Debris Around Structures. Contractor shall clear and maintain an area free of flammable material for a distance not less than 15 feet from buildings, tents, and other structures connected with Contractor's Operations.

Furnishing of Tools. Contractor shall furnish sufficient fire tools of a kind and type satisfactory for fire suppression to equip persons engaged in Contractor's Operations. Fire tools shall be used only for suppressing wildfires. Tools shall be stored in fireboxes provided by Contractor and readily available to employees. Each toolbox shall be marked "Tools for Fire Only," painted red and kept sealed.

Fire Tools on Equipment. Each tractor, power skidder, power loader, and motor truck shall be equipped with one size 0, or larger, round-pointed shovel. Shovels shall be so placed on the machines that they can be readily obtained at all times.

Spark Arresters. Each gasoline or diesel internal combustion engine, except powersaws, shall be equipped with a spark-arresting device which has been approved by Forest Service. After installation, spark-arresting devices shall be kept in a satisfactory working condition.

Powersaws. Each gasoline powersaw shall have a spark arrester muffler affixed and in good working condition. Said spark arrester-muffler shall be of the construction and maintained to the standards approved by Forest Service. In addition, one chemical pressurized fire extinguisher of not less than 8-ounce capacity, by weight, and one size 0, or larger, round-pointed shovel shall also be provided.

The spark arrester-muffler, extinguisher, and shovel shall be maintained in good working condition at all times. The shovel and extinguisher shall be readily available.

Blasting. The use of fuses and detonating cord in blasting shall not be permitted.

During Fire Precautionary Period, blasting shall be permitted as follows:

A. When the predicted Condition Class reaches 3 (High), a watchman shall patrol the blasting area for at least 1 hour following blasting. The watchman shall have available for immediate use a standard fire shovel and a 5-gallon water filled backpack pump.

B. When the predicted Condition Class reaches 4 (Very High), blasting shall be restricted to cleared areas and terminated daily by 11 a.m. local time. The watchman requirements shall be as in item A above.

C. Blasting operations may be terminated when the predicted fire danger reaches extreme conditions.

Gasoline and Oil Storage. Gasoline, oil, grease, or other highly flammable material shall be stored in a separate building (or on site where all flammable debris has been cleared away within a radius of 25 feet).

Storage buildings (or sites) shall be a minimum distance of 50 feet from other structures. A suitable shovel, and dry sand in a covered container of not less than 25-gallon capacity (or a fire extinguisher of not less than 2-quart capacity of a type approved by the Underwriter Laboratory for gasoline and oil

Contract Name: Pinney Slope Stewardship

fires), shall be placed at each gasoline and oil shed, or other motor-fueling station. Mobile servicing units shall be equipped with a fire extinguisher of not less than 2-quart capacity of a type approved by the Underwriter Laboratory for gasoline and oil fires.

Camp Hazards. Stoves, stovepipes, chimneys, and electric wiring shall be located and maintained to the safety standards set forth in applicable sections of the Forest Service Health and Safety Code, dated March 1970, as revised.

Burning Plan. No slash burning shall be started by Contractor without obtaining Forest Service approval of a written burning plan and also obtaining a burning permit from Forest Service.

Contract Name: Pinney Slope Stewardship

K-H.2.0 - FIRE PRECAUTIONS (HELICOPTER) (11/2006)

In addition to Normal Precautions provided for in K-H.2, Contractor shall provide or take the following precautions or actions where helicopter yarding is specified or permitted.

A. Fire tools, including backpack pump and tool boxes, required at landings shall have a sling arrangement for immediate helicopter transportation of the tools to the vicinity of any fire within Contract Area. The sling arrangement shall not impede access to the tools.

B. Store flammable liquids (fuel) only in tank trucks or trailers specifically designed for storing and transporting liquid fuel or in stationary tanks, securely bedded on skids or frames to prevent rolling or tipping. Fuel storage area shall be adequately diked with dirt to prevent fuel spillage or leakage from spreading beyond the diked area. Mobile fuel tanks (trailers or trucks) shall also be parked within a diked area.

Polyethylene, rubber or other flexible type fuel storage facilities will not be permitted on National Forest land.

C. Provide at fuel servicing operations fire extinguishers which have the following ratings based on the open hose discharge capacity, i.e., "broken hose" of the aircraft fueling system:

1. Where said capacity does not exceed 200 gallons per minute, at least one (1) approved extinguisher having a minimum rating of 20-B.
2. Where said capacity is in excess of 200 gallons per minute, but not over 350 gallons per minute, one (1) approved extinguisher having a minimum rating of 80-B,
3. Where said capacity is in excess of 350 gallons per minute, two (2) approved extinguishers, each having a minimum rating of 80-B.

Extinguishers of over 50 pounds gross weight shall be of the large diameter wheel type or be mounted on carts to provide mobility and ease of handling.

D. Contractor shall provide one variable capacity water bucket with maximum capacity commensurate with the maximum lifting capabilities of the aircraft. The bucket gate open/close switch(es) shall be spring loaded to the "OFF" position and mounted on the collective pitch lever. The switch shall be of a different design and shall be mounted in such a way as to not easily be confused with the RPM control switch. The weight of the bucket and capacity at each adjustment level shall be marked on the bucket.

The bucket shall be located at the landing to which the helicopter is yarding logs and be ready for immediate use with a maximum hooking and getaway time of five minutes. An alternate location may be designated by Forest Service when specific Contract Area conditions indicate the need.

Contractor shall develop or provide a water source from which the required bucket can be hover-filled at least three times without resupply. If a natural water source is used, it must be within five minutes, round trip, by helicopter from the Contract Area. If an artificial source is provided, it shall be located on the Contract Area at the same location as the bucket, unless otherwise agreed in writing.

At least once a month, the water bucket will be checked by making at least one hookup and drop to assure that it is in operating condition.

Contract Name: Pinney Slope Stewardship

K-I.2.1.2 - MARKET-RELATED CONTRACT TERM ADDITION (11/2008)

The term of this contract may be adjusted when a drastic reduction in wood product prices has occurred in accordance with 36 CFR 223.52. The Producer Price Index used to determine when a drastic reduction in price has occurred is stated in A.20. Contractor will be notified whenever the Chief determines that a drastic reduction in wood product prices has occurred. If the drastic reduction criteria specified in 36 CFR 223.52 are met for 2 consecutive calendar quarters, after contract award date, Contracting Officer will add 1 year to the contract term, upon Contractor's written request. For each additional consecutive quarter such a drastic reduction occurs, Contracting Officer will, upon written request, add an additional 3 months to the term during Normal Operating Season, except that no single 3-month addition shall extend the term of the contract by more than one year. Contracting Officer must receive Contractor's written request for a market-related contract term addition before the expiration of this contract.

No more than 3 years shall be added to a contract's term by market-related contract term addition unless the following conditions are met:

(i) The contract was awarded after December 31, 2006; and

(ii) A drastic reduction in wood product prices occurred in at least ten of twelve consecutive quarters during the contract term, but not including the quarter in which the contract was awarded.

For each qualifying quarter meeting the criteria in paragraphs (i) and (ii) of this provision, the Forest Service will, upon the Contractor's written request, add an additional 3 months during the normal operating season to the contract, except no single 3-month addition shall extend the term of a contract by more than 1 year.

In no event shall a revised contract term exceed 10 years as a result of market-related contract term addition.

Additional contract time may not be granted for those portions of the contract that have a required completion date or for those portions of the contract where Contracting Officer determines that the timber is in need of urgent removal or that timber deterioration or resource damage may result from delay.

Contract Name: Pinney Slope Stewardship

K-I.6.8# (Option 1) - USE OF TIMBER (09/2004)

(a) This contract is subject to the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, et seq.).

(b) Except for None determined pursuant to public hearing to be surplus, unprocessed Included Timber shall not be exported from the United States nor used in direct or indirect substitution for unprocessed timber exported from private lands by Contractor or any person as defined in the Act (16 USC 620e).

(c) Timber in the following form will be considered unprocessed:

(i) Trees or portions of trees or other roundwood not processed to standards and specifications suitable for end product use;

(ii) Lumber, construction timbers, or cants intended for remanufacturing not meeting standards defined in the Act (16 USC 620e); and

(iii) Aspen or other pulpwood bolts exceeding 100 inches in length.

(d) Unless otherwise agreed in writing, unprocessed Included Timber shall be delivered to a domestic processing facility and shall not be mixed with logs intended for export.

(e) Prior to award, during the life of this contract, and for a period of 3 years from Termination Date, Contractor shall furnish to Forest Service, upon request, records showing the volume and geographic origin of unprocessed timber from private lands exported or sold for export by Contractor or affiliates.

(f) Prior to delivering unprocessed Included Timber to another party, Contractor shall require each buyer, exchange, or recipient to execute an acceptable agreement that will:

(i) Identify the Federal origin of the timber;

(ii) Specify domestic processing for the timber involved;

(iii) Require the execution of such agreements between the parties to any subsequent transactions involving the timber;

(iv) Require that all hammer brands and/or yellow paint must remain on logs until they are either legally exported or domestically processed, whichever is applicable; and

(v) Otherwise comply with the requirements of the Act (16 USC 620d).

(g) No later than 10 days following the execution of any such agreement between Contractor and another party, Contractor shall furnish to Forest Service a copy of each such agreement. Contractor shall retain, for 3 years from Termination Date, the records of all sales, exchanges, or dispositions of all Included Timber.

(h) Upon request, all records dealing with origin and disposition of Included Timber shall be made available to Contracting Officer.

(i) For breach of this Section, Forest Service may terminate this contract and take such other action as may be provided by statute or regulation, including the imposition of penalties. When terminated by Forest Service under this Section, Forest Service will not be liable for any Claim submitted by Contractor relating to the termination.

SCHEDULE OF ITEMS

Project Name: Pinney Slope Stewardship

Road Number: 693A

Road Name: Eastside Spur

Reconstruction

Approved By: JPDate: 5/16/17

Estimated Road

Construction Cost: \$28,206

Cash Contribution: _____

Cash Supplementation: _____

Item No.	Description	Unit	Quantity	Est. Road Construction Cost	
				Unit Cost	Total
15101	Mobilization	Lump Sum	1	\$2,330	\$2,330
20103*	Clearing and Grubbing, Slash Treatment Methods for Tops and Limbs f, Logs f, and Stumps f	Mile	1.56	\$1,700	\$2,652
20402*	Roadway Excavation, Compaction Method C, Finishing Method A	Mile	1.56	\$4,200	\$6,552
30322A*	Road Reconditioning, Compaction Method A	Mile	1.56	\$700	\$1,092
32232B*	Furnish and Place Base Course Aggregate, Grading D, Compaction Method B	Cubic Yard	300	\$37	\$11,100
60265A	18 inch Corrugated Steel Pipe, 0.064 inch Thickness, Method A	Linear Foot	140	\$32	\$4,480

Note: * next to an Item Number above indicates that the quantity shown is a Contract Quantity per FP-03
Specification 109.02

SCHEDULE OF ITEMS

Project Name: Pinney Slope Stewardship

Estimated Road

Road Number: 693B

Approved By: [Signature]

Construction Cost:

\$67,699

Road Name: East Fork Scriver Creek

Cash Contribution: _____

Reconstruction

Date: 5/16/14

Cash Supplementation: _____

Item No.	Description	Unit	Quantity	Est. Road Construction Cost	
				Unit Cost	Total
15101	Mobilization	Lump Sum	1	\$5,590	\$5,590
20103*	Clearing and Grubbing, Slash Treatment Methods for Tops and Limbs f, Logs f, and Stumps f	Mile	3.85	\$700	\$2,695
20301A	Removal of Culvert, Disposal Method A	Each	1	\$350	\$350
20301B	Removal of Gate, Disposal Method A	Each	1	\$350	\$350
20402*	Roadway Excavation, Compaction Method C, Finishing Method A	Mile	3.85	\$1,900	\$7,315
20426	Grade Dip	Each	16	\$190	\$3,040
30322A*	Road Reconditioning, Compaction Method A	Mile	3.85	\$700	\$2,695
32232B*	Furnish and Place Base Course Aggregate, Grading D, Compaction Method B	Cubic Yard	620	\$37	\$22,940
32232C*	Haul and Place Pit Run, Maximum Size 4", (Government Source), Compaction Method B	Cubic Yard	380	\$47	\$17,860
60265A	18 inch Corrugated Steel Pipe, 0.064 inch Thickness, Method A	Linear Foot	152	\$32	\$4,864

Note: * next to an Item Number above indicates that the quantity shown is a Contract Quantity per FP-03
Specification 109.02

SCHEDULE OF ITEMS

Project Name: Pinney Slope Stewardship

Road Number: 693D

Road Name: Bear Wallow Point

Reconstruction

Approved By: [Signature]Date: 5/16/14

Estimated Road

Construction Cost: \$13,084

Cash Contribution: _____

Cash Supplementation: _____

Item No.	Description	Unit	Quantity	Est. Road Construction Cost	
				Unit Cost	Total
15101	Mobilization	Lump Sum	1	\$1,080	\$1,080
20103*	Clearing and Grubbing, Slash Treatment Methods for Tops and Limbs f, Logs f, and Stumps f	Mile	1.93	\$1,400	\$2,702
20402*	Roadway Excavation, Compaction Method C, Finishing Method A	Mile	1.93	\$1,700	\$3,281
20426	Grade Dip	Each	8	\$190	\$1,520
30322A*	Road Reconditioning, Compaction Method A	Mile	1.93	\$700	\$1,351
32232C*	Haul and Place Pit Run, Maximum Size 4", (Government Source), Compaction Method B	Cubic Yard	20	\$47	\$940
65001	Furnish and Install Road Closure Device, Type Gate, Size 16'	Each	1	\$2,210	\$2,210

Note: * next to an Item Number above indicates that the quantity shown is a Contract Quantity per FP-03
Specification 109.02